

SIMPLESEAL™

CSEFO SERIES – HIGH EFFICIENCY REFLECTOR LF FLANGE MOUNT –OVERLAPPING DOOR

PRODUCT FEATURES:

- » Recessed; flange mount – 2'x4'
- » One-piece overlapping door provides air-tight integrity of luminaire
- » Optional Food Zone/Non-Contact listing ideal for food processing applications



PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

SPECIFICATIONS

HOUSING: 20-gauge CRS. Hole-free one-piece seam welded construction. White TGIC polyester powder coat finish – 5-step pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%.

DOORFRAME: 20-gauge type 304 stainless steel (#4 finish-post fabrication). One-piece 60° beveled perimeter construction. Continuous angle lens retention system. Mechanical guide for doorframe fastener alignment. Doorframe secured to housing with stainless steel aircraft cables and (12) captive flush mounted Phillips head stainless steel fasteners. Thumb screws used for FN option. Doorframe Gasket: One-piece closed cell extruded silicone gasket seals doorframe to housing and ceiling structure.

LENS: .125" #12 high impact acrylic lens sealed to perimeter ledge of lens aperture with silicone sealant and secured with continuous lens retention system. Lens orientation – smooth side out. See Options for alternate lens selections. If required, specify lens overlay combinations inner/outer (Example: R/T). FN option includes FDA approved Food Zone clear polycarbonate lens. Can be combined with prismatic inner lens (specify type in Lens Type field).

OPTICS: High performance specular aluminum reflector system with 95% reflectivity yields 85.3% efficiency; ITL Test Report #62999.

ELECTRICAL: Quantity and type as specified – see ordering information. All ballasts UL listed class P. Wireway hole provided with hub/ring assembly. See Ordering Information for alternate or multiple ballasts, sealed wireway and optional equipment. Lamps by others.

INSTALLATION: Adjustable swing-out mounting brackets standard. See Options for continuous row mounting and plaster frames.

PATENT: U.S. Patent No. 5,902,035.

WARRANTY: Limited one (1) year Kenall fluorescent warranty.

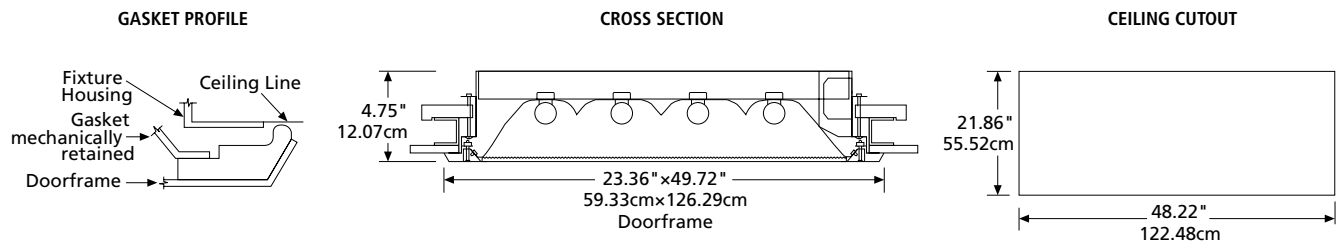
LISTINGS: UL and CUL Listed for Wet Location. UL certified IP65 per IEC 60598. NSF2 Splash/Non-Food. Optional NSF2 Food Zone/Non-Contact. Meets K230 Leakage Standard for luminaire leakage in pressurized environments and FED-STD-209E/Class 100 (ISO 5) Cleanrooms. CCEA Approved.



ORDERING INFORMATION (Ex: CSEFO24P-2-32-IS-1-120-5F-2H-T)

Model	Lamp Qty/Type	Ballast Type	Ballast Qty	Voltage	Doorframe	Housing	Lens Type	Options
CSEFO24P								
Lamp Quantity/Type		Voltage		Lens Type		Options		
2-32 Two F32T8		120 120 Volts		Acrylic		EL Standard Lumen EL Pack		
3-32 Three F32T8		277 277 Volts		T .125" Clear		PEL High Lumen EL Pack		
4-32 Four F32T8		347 347 Volts		U .125" #12 Prismatic High Impact		SEL Specified EL Pack		
Ballast Type		Doorframe Options		Polycarbonate		FN** Food Zone/Non-Contact		
IS Instant Start Electronic <10% THD		5F 20-Ga Type 304 SS (STD)		2 .125" #12 Prismatic		FS Fuse & Holder		
RS Rapid Start Electronic <10% THD		2F 20-Ga CRS		G .125" Clear		HJ Sealed Wireway		
SB Specified Ballast		XF 20-Ga Type 316 SS		Tempered Glass		RF Radio Frequency Filter		
Ballast Quantity		PAF .063" Painted Fabricated Aluminum		TG .250" Textured Tempered Glass		PF Plaster Frame		
1 One		Housing Options		Specified Lens		RM Continuous Row Mounting		
2 Two		2H 20-Ga CRS (STD)		SL Specified Lens		UV UV Filtering Lens (Specify)		
		5H 20-Ga Type 304 SS		NOTE: Clear lens option will provide slightly higher efficiencies with increased perceived brightness.		** Only available in combination with a prismatic inner lens (specified in Lens Type). For nonprismatic, only the FDA approved Food Zone clear polycarbonate lens will be provided (leave Lens Type blank). Not available with TG lens type.		
		XH 20-Ga Type 316 SS						
		PAH .050" Painted Aluminum						

DIMENSIONAL DATA

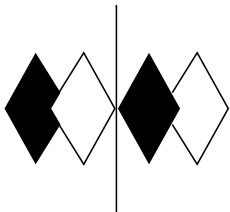


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A brand of **legrand**

This product complies with the Buy American Act: manufactured in the United States with more than 50% of the component cost of US origin. It may be covered by patents found at www.kenall.com/patents. Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2022 Kenall Mfg. Co.

CSEFO24P232_332_432-021423



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INDEPENDENT TESTING LABORATORIES, INC.
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PHONE: (303)442-1255 • FAX: (303)449-5274 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

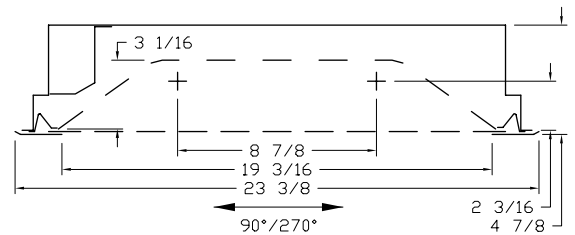
REPORT NUMBER: ITL62999 DATE: 09/09/09
 PREPARED FOR: KENALL LIGHTING REVISED: 03/12/10
 CATALOG NUMBER: CSEFO24P-2-32-IS-1-120-2F-2H-U
 LUMINAIRE: FABRICATED METAL HOUSING WITH WHITE PAINTED GENERAL INTERIOR FINISH, FORMED METAL REFLECTOR WITH PREMIUM SPECULAR FINISH, CLEAR PRISMATIC PLASTIC LENS IN FABRICATED WHITE PAINTED METAL FRAME. LENS PRISMS UP.
 LAMPS: TWO 32-WATT T-8 FO32/835 LINEAR FLUORESCENTS.
 BALLAST: UNIVERSAL B232IUNVHP-B
 MOUNTING: RECESSED
 THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.
 TOTAL INPUT WATTS = 54.9 AT 120.0 VOLTS
 LUMEN TO CANDELA RATIO USED = 9.17
 REPORT IS BASED ON 2950 LUMENS PER LAMP.

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1777	1777	1777	1777	1777
5	1767	1767	1767	1773	1774
15	1671	1687	1722	1744	1749
25	1532	1572	1638	1668	1674
35	1334	1397	1479	1476	1458
45	1117	1175	1236	1198	1173
55	862	919	946	902	873
65	581	629	638	604	573
75	287	310	322	302	291
85	53	55	58	58	59
90	0	0	0	0	0

FLUX

168
486
748
899
917
815
606
324
69



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	1402	23.8	27.9
0- 40	2301	39.0	45.7
0- 60	4033	68.4	80.1
0- 90	5033	85.3	100.0
90-180	0	0.0	0.0
0-180	5033	85.3	100.0

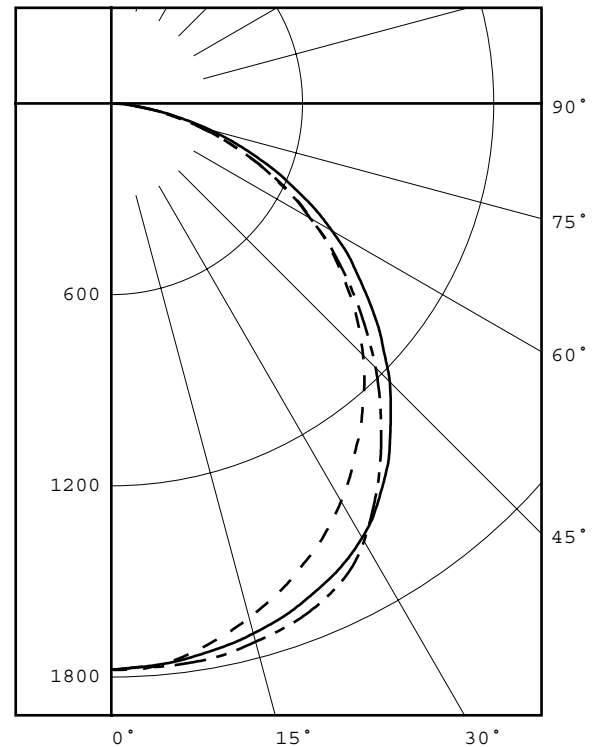
TOTAL LUMINAIRE EFFICIENCY = 85.3 %

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG
 SPACING CRITERIA : 1.2 1.3
 SHIELDING ANGLES : 90 90
 LUMINOUS LENGTH : 45.500 19.187

LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	2805.	3103.	2945.
55	2668.	2928.	2702.
65	2441.	2680.	2407.
75	1969.	2209.	1996.
85	1080.	1182.	1202.



LEGEND:
 0-deg: - - - - -
 45-deg: = = = = =
 90-deg: - - - - -

Checked *N.WHITE*

Approved *R.BEATTIE*



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REPORT NUMBER: ITL62999
 PREPARED FOR: KENALL LIGHTING

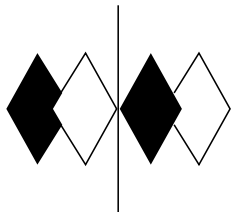
DATE: 09/09/09
 REVISED: 03/12/10

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	1777	1777	1777	1777	1777
2.5	1778	1774	1772	1773	1771
5.0	1767	1767	1767	1773	1774
7.5	1750	1750	1759	1770	1773
10.0	1726	1732	1748	1766	1770
12.5	1700	1710	1737	1758	1762
15.0	1671	1687	1722	1744	1749
17.5	1640	1665	1706	1732	1737
20.0	1607	1637	1686	1714	1722
22.5	1568	1608	1662	1695	1701
25.0	1532	1572	1638	1668	1674
27.5	1488	1539	1609	1636	1638
30.0	1442	1494	1574	1592	1586
32.5	1392	1448	1532	1535	1523
35.0	1334	1397	1479	1476	1458
37.5	1285	1340	1426	1407	1389
40.0	1228	1290	1361	1343	1317
42.5	1176	1230	1298	1268	1246
45.0	1117	1175	1236	1198	1173
47.5	1056	1118	1162	1131	1096
50.0	995	1053	1095	1052	1021
52.5	927	991	1020	980	947
55.0	862	919	946	902	873
57.5	798	852	879	828	802
60.0	723	779	800	752	721
62.5	658	706	723	676	652
65.0	581	629	638	604	573
67.5	506	548	563	524	504
70.0	428	470	478	451	430
72.5	358	388	400	372	359
75.0	287	310	322	302	291
77.5	219	240	241	234	223
80.0	155	168	171	164	160
82.5	97	109	106	108	104
85.0	53	55	58	58	59
87.5	17	21	22	22	25
90.0	0	0	0	0	0

ZONAL LUMEN SUMMARY

0- 5	42.
5- 10	126.
10- 15	206.
15- 20	280.
20- 25	346.
25- 30	402.
30- 35	440.
35- 40	460.
40- 45	464.
45- 50	453.
50- 55	427.
55- 60	388.
60- 65	335.
65- 70	271.
70- 75	198.
75- 80	125.
80- 85	58.
85- 90	12.



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REPORT NUMBER: ITL62999

DATE: 09/09/09

PREPARED FOR: KENALL LIGHTING

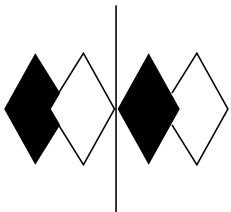
REVISED: 03/12/10

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0	
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	102	102	102	102	102	99	99	99	99	95	95	95	91	91	91	87	87	87	85
1	93	89	85	82	82	91	87	84	81	83	81	78	80	78	76	77	75	74	72
2	85	78	72	67	67	82	76	71	66	73	69	65	70	67	63	68	65	62	60
3	77	68	61	56	56	75	67	60	55	64	59	54	62	57	53	60	56	52	51
4	71	60	53	47	47	69	59	52	47	57	51	46	55	50	46	53	49	45	43
5	65	54	46	41	41	63	53	46	41	51	45	40	50	44	40	48	43	39	37
6	60	49	41	36	36	58	48	41	35	46	40	35	45	39	35	44	38	34	33
7	56	44	37	31	31	54	43	36	31	42	36	31	41	35	31	40	35	31	29
8	52	40	33	28	28	50	40	33	28	39	32	28	37	32	28	36	31	27	26
9	48	37	30	25	25	47	36	30	25	35	29	25	35	29	25	34	28	25	23
10	45	34	27	23	23	44	34	27	23	33	27	23	32	26	23	31	26	22	21

ALL CANDELA, LUMENS, LUMINANCE, COEFFICIENT OF UTILIZATION AND VCP VALUES IN THIS REPORT ARE BASED ON RELATIVE PHOTOMETRY WHICH ASSUMES A BALLAST FACTOR OF 1.000. ANY CALCULATIONS PREPARED FROM THESE DATA SHOULD INCLUDE AN APPROPRIATE BALLAST FACTOR.



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REPORT NUMBER: ITL63000

DATE: 09/10/09

PREPARED FOR: KENALL LIGHTING

REVISED: 03/12/10

CATALOG NUMBER: CSEFO24P-3-32-IS-2-120-2F-2H-U

LUMINAIRE: FABRICATED METAL HOUSING WITH WHITE PAINTED GENERAL INTERIOR FINISH, FORMED WHITE PAINTED MULTI-FACETED METAL CENTER REFLECTOR, ONE FORMED MULTI-FACETED METAL REFLECTOR WITH PREMIUM SPECULAR FINISH ON EACH SIDE OF CENTER REFLECTOR, CLEAR PRISMATIC PLASTIC LENS IN FABRICATED WHITE PAINTED METAL FRAME. LENS PRISMS UP.

LAMPS: THREE 32-WATT T-8 FO32/835 LINEAR FLUORESCENTS.

BALLAST: UNIVERSAL B232IUNVHP-B, UNIVERSAL B132IUNVHP-B

MOUNTING: RECESSED

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

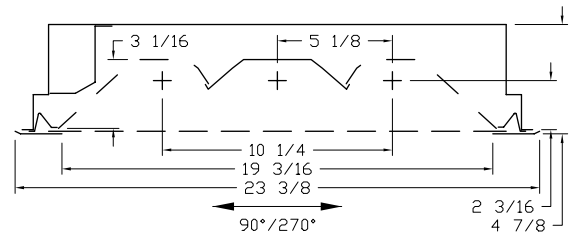
TOTAL INPUT WATTS = 82.8 AT 120.0 VOLTS

LUMEN TO CANDELA RATIO USED = 9.17

REPORT IS BASED ON 2950 LUMENS PER LAMP.

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	2834	2834	2834	2834	2834	
5	2811	2817	2821	2829	2828	268
15	2646	2686	2735	2767	2773	770
25	2410	2482	2569	2581	2569	1166
35	2084	2178	2249	2182	2124	1363
45	1725	1802	1812	1719	1669	1355
55	1313	1389	1359	1275	1235	1184
65	866	938	900	845	799	870
75	431	464	453	420	407	463
85	81	87	77	80	77	99
90	0	0	0	0	0	



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	2205	24.9	29.2
0- 40	3568	40.3	47.3
0- 60	6107	69.0	81.0
0- 90	7539	85.2	100.0
90-180	0	0.0	0.0
0-180	7539	85.2	100.0

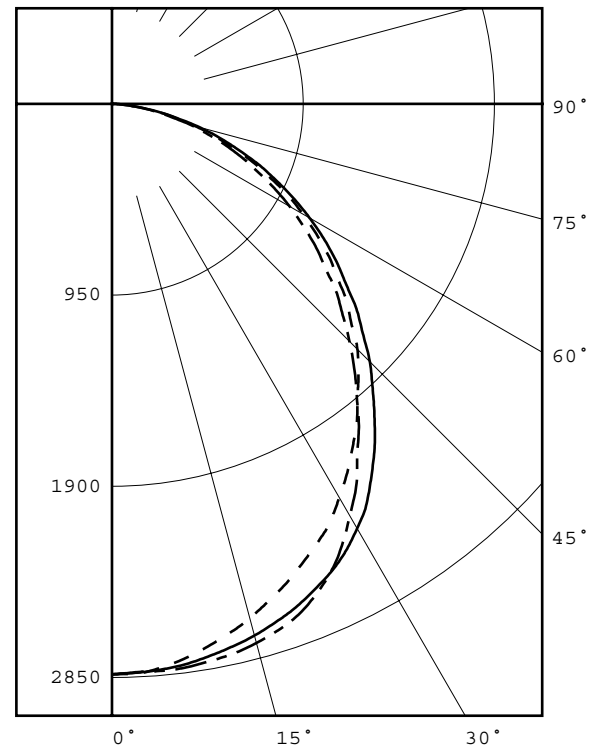
TOTAL LUMINAIRE EFFICIENCY = 85.2 %

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG
 SPACING CRITERIA : 1.2 1.2
 SHIELDING ANGLES : 90 90
 LUMINOUS LENGTH : 45.500 19.187

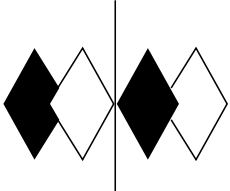
LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	4331.	4550.	4191.
55	4064.	4207.	3823.
65	3638.	3781.	3357.
75	2957.	3107.	2792.
85	1650.	1569.	1569.



LEGEND:
 0-deg: - - - - -
 45-deg: = = = = =
 90-deg: - - - - -

Checked *N. WHITE*
 Approved *R. BEATTIE*



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REPORT NUMBER: ITL63000
PREPARED FOR: KENALL LIGHTING

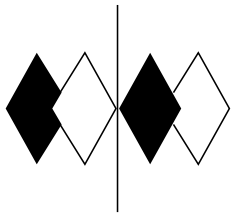
DATE: 09/10/09
REVISED: 03/12/10

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	2834	2834	2834	2834	2834
2.5	2833	2833	2829	2830	2826
5.0	2811	2817	2821	2829	2828
7.5	2779	2790	2808	2822	2824
10.0	2738	2761	2786	2809	2811
12.5	2694	2725	2762	2790	2797
15.0	2646	2686	2735	2767	2773
17.5	2590	2645	2701	2737	2743
20.0	2534	2593	2664	2698	2703
22.5	2471	2544	2618	2652	2642
25.0	2410	2482	2569	2581	2569
27.5	2344	2417	2510	2501	2474
30.0	2259	2342	2436	2396	2364
32.5	2175	2260	2355	2292	2258
35.0	2084	2178	2249	2182	2124
37.5	1998	2083	2144	2058	2015
40.0	1898	1994	2029	1947	1892
42.5	1813	1894	1917	1825	1782
45.0	1725	1802	1812	1719	1669
47.5	1612	1711	1691	1615	1556
50.0	1522	1598	1586	1495	1456
52.5	1407	1499	1463	1393	1333
55.0	1313	1389	1359	1275	1235
57.5	1204	1276	1248	1169	1125
60.0	1095	1159	1134	1053	1019
62.5	989	1046	1019	947	910
65.0	866	938	900	845	799
67.5	759	812	790	732	703
70.0	640	694	668	626	599
72.5	536	572	560	523	497
75.0	431	464	453	420	407
77.5	329	363	336	326	303
80.0	235	250	243	228	222
82.5	146	163	148	151	140
85.0	81	87	77	80	77
87.5	28	32	31	32	33
90.0	0	0	0	0	0

ZONAL LUMEN SUMMARY

0- 5	68.
5- 10	201.
10- 15	327.
15- 20	443.
20- 25	544.
25- 30	622.
30- 35	672.
35- 40	692.
40- 45	688.
45- 50	667.
50- 55	622.
55- 60	561.
60- 65	482.
65- 70	388.
70- 75	284.
75- 80	179.
80- 85	82.
85- 90	17.



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PREPARED FOR: KENALL LIGHTING

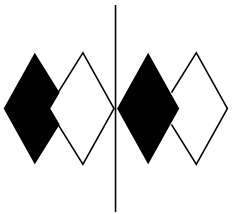
REVISED: 03/12/10

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
0	10	11	10	11	10	11	10	11	99	99	99	99	95	95	95	91	91	91	85
1	93	89	86	82	91	87	84	81	84	81	79	80	78	76	77	75	74	72	
2	85	78	72	68	83	76	71	67	73	69	65	71	67	64	68	65	62	60	
3	77	69	62	56	75	67	61	56	65	59	55	62	58	54	60	56	53	51	
4	71	61	54	48	69	60	53	48	58	52	47	56	51	46	54	49	46	44	
5	65	55	47	41	64	54	47	41	52	46	41	50	45	40	49	44	40	38	
6	60	49	42	36	59	48	41	36	47	41	36	45	40	36	44	39	35	33	
7	56	45	37	32	55	44	37	32	43	36	32	41	36	32	40	35	31	30	
8	52	41	34	29	51	40	33	29	39	33	28	38	32	28	37	32	28	27	
9	49	38	31	26	48	37	30	26	36	30	26	35	30	26	34	29	25	24	
10	46	35	28	24	45	34	28	23	33	27	23	33	27	23	32	27	23	22	

ALL CANDELA, LUMENS, LUMINANCE, COEFFICIENT OF UTILIZATION AND VCP VALUES IN THIS REPORT ARE BASED ON RELATIVE PHOTOMETRY WHICH ASSUMES A BALLAST FACTOR OF 1.000. ANY CALCULATIONS PREPARED FROM THESE DATA SHOULD INCLUDE AN APPROPRIATE BALLAST FACTOR.



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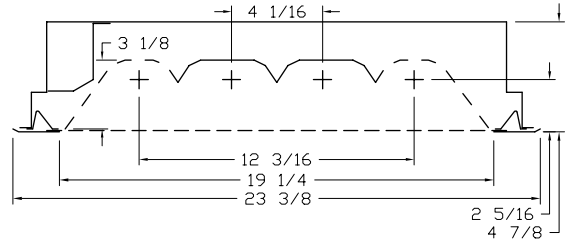
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REPORT NUMBER: ITL60564
 PREPARED FOR: KENALL LIGHTING
 CATALOG NUMBER: CSEFO24P-4-32-IS-1-120-2F-2H-U
 LUMINAIRE: FABRICATED METAL HOUSING WITH WHITE PAINTED GENERAL INTERIOR FINISH, FORMED WHITE PAINTED METAL CENTER REFLECTOR, ONE FORMED METAL REFLECTOR WITH PREMIUM SPECULAR FINISH ON EACH SIDE OF CENTER REFLECTOR, CLEAR FLAT PRISMATIC ACRYLIC LENS IN FABRICATED WHITE PAINTED METAL FRAME. LENS PRISMS UP.
 LAMPS: FOUR 32-WATT T-8 FO32/835 LINEAR FLUORESCENTS.
 BALLAST: ADVANCE ICN-4P32-SC
 THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.
 TOTAL REFLECTANCE OF PAINT = 90.9 %
 MOUNTING: RECESSED
 TOTAL INPUT WATTS= 107.3 AT 120.0 VOLTS
 LUMEN TO CANDELA RATIO USED= 9.19
 REPORT IS BASED ON 2950 LUMENS PER LAMP.

DATE: 07/11/08
 REVISED: 03/11/10

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	3858	3858	3858	3858	3858	
5	3825	3827	3826	3824	3824	363
15	3592	3603	3590	3569	3557	1011
25	3241	3256	3228	3200	3188	1487
35	2786	2796	2794	2759	2744	1740
45	2285	2287	2299	2254	2215	1755
55	1750	1760	1774	1698	1645	1550
65	1179	1196	1203	1131	1090	1155
75	605	613	615	579	562	634
85	139	138	133	129	132	157
90	0	0	0	0	0	



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	2861	24.2	29.0
0- 40	4601	39.0	46.7
0- 60	7906	67.0	80.3
0- 90	9852	83.5	100.0
90-180	0	0.0	0.0
0-180	9852	83.5	100.0

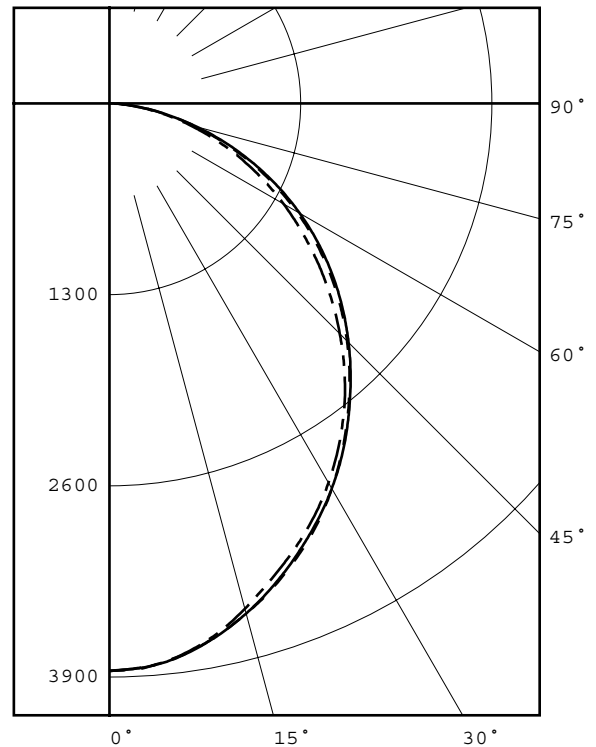
TOTAL LUMINAIRE EFFICIENCY = 83.5 %

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG
 SPACING CRITERIA : 1.2 1.2
 SHIELDING ANGLES : 90 90
 LUMINOUS LENGTH : 45.563 19.250

LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	5711.	5746.	5536.
55	5392.	5466.	5068.
65	4930.	5031.	4558.
75	4131.	4199.	3837.
85	2818.	2697.	2676.



LEGEND:
 0-deg: - - - - -
 45-deg: = = = = =
 90-deg: - - - - -

Checked N. WHITE
 Approved R. BEATTIE



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REPORT NUMBER: ITL60564
PREPARED FOR: KENALL LIGHTING

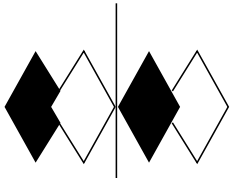
DATE: 07/11/08
REVISED: 03/11/10

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	3858	3858	3858	3858	3858
2.5	3853	3852	3848	3846	3846
5.0	3825	3827	3826	3824	3824
7.5	3784	3788	3787	3781	3780
10.0	3729	3737	3731	3723	3720
12.5	3664	3674	3665	3652	3646
15.0	3592	3603	3590	3569	3557
17.5	3514	3525	3508	3478	3464
20.0	3428	3441	3419	3385	3373
22.5	3337	3351	3325	3294	3283
25.0	3241	3256	3228	3200	3188
27.5	3137	3153	3129	3099	3087
30.0	3024	3042	3023	2990	2978
32.5	2906	2923	2912	2877	2864
35.0	2786	2796	2794	2759	2744
37.5	2663	2670	2672	2638	2621
40.0	2539	2542	2548	2515	2491
42.5	2413	2415	2425	2388	2355
45.0	2285	2287	2299	2254	2215
47.5	2154	2159	2171	2119	2075
50.0	2021	2028	2042	1980	1931
52.5	1886	1896	1910	1840	1789
55.0	1750	1760	1774	1698	1645
57.5	1611	1623	1636	1556	1506
60.0	1470	1484	1494	1414	1367
62.5	1325	1341	1350	1273	1228
65.0	1179	1196	1203	1131	1090
67.5	1033	1049	1055	991	955
70.0	886	902	906	851	821
72.5	744	756	760	714	690
75.0	605	613	615	579	562
77.5	473	476	476	451	440
80.0	349	350	346	330	326
82.5	237	236	230	221	222
85.0	139	138	133	129	132
87.5	61	61	57	57	60
90.0	0	0	0	0	0

ZONAL LUMEN SUMMARY

0- 5	92.
5- 10	271.
10- 15	434.
15- 20	577.
20- 25	696.
25- 30	790.
30- 35	854.
35- 40	886.
40- 45	890.
45- 50	865.
50- 55	814.
55- 60	737.
60- 65	637.
65- 70	518.
70- 75	385.
75- 80	249.
80- 85	125.
85- 90	32.



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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	99	99	99	99	97	97	97	97	93	93	93	89	89	89	85	85	85	83
1	91	87	84	80	89	85	82	79	82	79	77	78	76	74	75	74	72	70
2	83	76	71	66	81	75	69	65	72	67	64	69	65	62	66	63	61	59
3	76	67	60	55	74	66	59	54	63	58	53	61	56	53	59	55	52	50
4	69	60	52	47	67	58	52	46	56	50	46	54	49	45	53	48	45	43
5	64	53	46	40	62	52	45	40	51	44	40	49	44	39	47	43	39	37
6	59	48	41	35	57	47	40	35	46	40	35	44	39	35	43	38	34	33
7	55	44	36	31	53	43	36	31	42	35	31	40	35	31	39	34	30	29
8	51	40	33	28	50	39	33	28	38	32	28	37	32	28	36	31	27	26
9	48	37	30	25	47	36	30	25	35	29	25	34	29	25	33	28	25	23
10	45	34	27	23	44	33	27	23	33	27	23	32	26	23	31	26	23	21

ALL CANDELA, LUMENS, LUMINANCE, COEFFICIENT OF UTILIZATION AND VCP VALUES IN THIS REPORT ARE BASED ON RELATIVE PHOTOMETRY WHICH ASSUMES A BALLAST FACTOR OF 1.000. ANY CALCULATIONS PREPARED FROM THESE DATA SHOULD INCLUDE AN APPROPRIATE BALLAST FACTOR.