

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P384275

Luminaire Tested: **14ID-85-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-68)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-85-L835-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

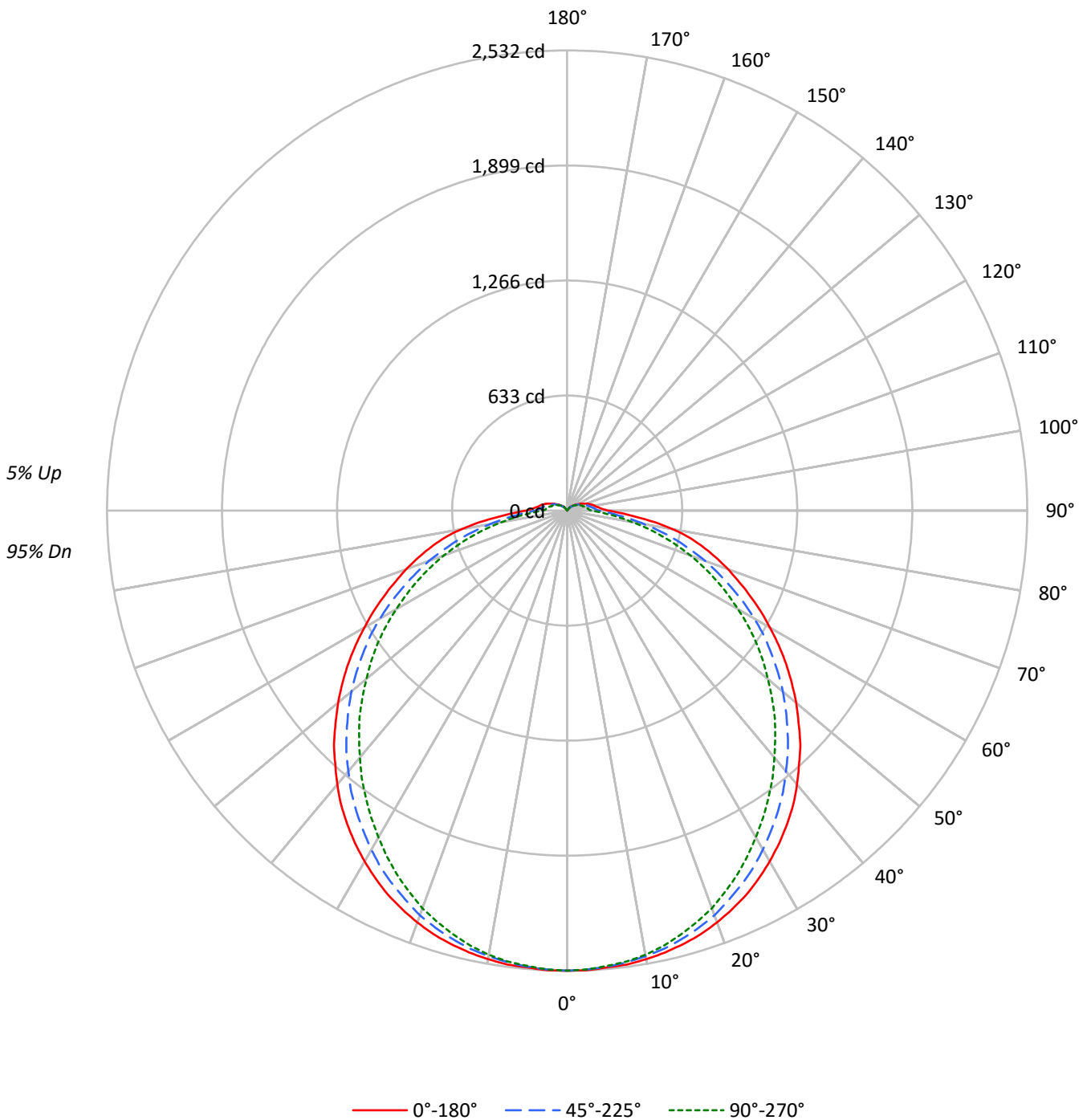
Lumens per Lamp: N/A
Luminaire Lumens: 8210.5 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 83.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55	53
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47	45
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36	33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25	24
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6812	6812	6812
5°	6791	6718	6696
10°	6799	6632	6588
15°	6803	6540	6441
20°	6802	6441	6286
25°	6794	6308	6095
30°	6763	6170	5884
35°	6732	6021	5680
40°	6680	5855	5465
45°	6630	5690	5271
50°	6560	5518	5036
55°	6513	5316	4820
60°	6468	5099	4533
65°	6490	4812	4237
70°	6640	4525	3890
75°	6972	4141	3452
80°	7427	3638	2905
85°	7799	3145	2378



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.6	2.9
10°-20°	688.9	8.4
20°-30°	1046.4	12.7
30°-40°	1264.0	15.4
40°-50°	1322.9	16.1
50°-60°	1227.5	15.0
60°-70°	994.3	12.1
70°-80°	671.0	8.2
80°-90°	324.2	3.9
90°-100°	163.1	2.0
100°-110°	118.5	1.4
110°-120°	79.2	1.0
120°-130°	45.9	0.6
130°-140°	23.1	0.3
140°-150°	1.8	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1974.9	24.1
0°-40°	3238.9	39.4
0°-60°	5789.3	70.5
0°-90°	7778.8	94.7
90°-120°	360.9	4.4
90°-150°	431.7	5.3
90°-180°	432.0	5.3
0°-180°	8210.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2532	2532	2532	2532	2532	
5°	2523	2519	2519	2515	2515	240
15°	2469	2457	2440	2424	2415	698
25°	2333	2312	2270	2229	2212	1075
35°	2109	2080	2022	1960	1931	1319
45°	1815	1782	1715	1645	1616	1398
55°	1471	1438	1371	1305	1272	1315
65°	1110	1069	994	940	903	1102
75°	775	696	617	572	539	816
85°	373	323	273	249	224	352
90°	224	203	174	157	133	128
95°	178	166	149	133	116	140
105°	133	124	112	99	91	142
115°	91	83	83	70	70	91
125°	58	50	54	46	50	51
135°	33	29	29	29	33	26
145°	0	0	0	0	0	2
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2531.5	2531.5	2531.5	2531.5	2531.5
2.5°	2531.5	2527.3	2527.3	2527.3	2527.3
5°	2523.2	2519.0	2519.0	2514.9	2514.9
7.5°	2519.0	2510.7	2506.6	2502.4	2502.4
10°	2506.6	2498.3	2490.0	2481.7	2481.7
12.5°	2490.0	2481.7	2469.3	2452.7	2452.7
15°	2469.3	2456.9	2440.3	2423.7	2415.4
17.5°	2444.4	2432.0	2407.2	2382.3	2374.0
20°	2411.3	2394.7	2369.9	2336.7	2328.4
22.5°	2374.0	2357.4	2320.2	2287.0	2270.4
25°	2332.6	2311.9	2270.4	2229.0	2212.4
27.5°	2282.9	2262.1	2216.6	2166.9	2146.1
30°	2229.0	2204.1	2154.4	2100.6	2075.7
32.5°	2171.0	2142.0	2088.1	2030.1	2005.3
35°	2108.9	2079.9	2021.8	1959.7	1930.7
37.5°	2042.6	2013.6	1951.4	1885.1	1856.1
40°	1968.0	1939.0	1872.7	1806.4	1773.3
42.5°	1889.3	1864.4	1798.1	1727.7	1694.5
45°	1814.7	1781.5	1715.3	1644.8	1615.8
47.5°	1727.7	1702.8	1632.4	1562.0	1528.8
50°	1644.8	1615.8	1549.5	1479.1	1441.8
52.5°	1557.8	1533.0	1462.5	1392.1	1358.9
55°	1470.8	1437.7	1371.4	1305.1	1271.9
57.5°	1379.7	1350.7	1284.4	1222.2	1180.8
60°	1288.5	1259.5	1189.1	1131.1	1085.5
62.5°	1201.5	1168.4	1093.8	1031.6	994.4
65°	1110.4	1068.9	994.4	940.5	903.2
67.5°	1023.4	973.6	899.1	849.3	812.1
70°	940.5	882.5	807.9	758.2	720.9
72.5°	857.6	787.2	708.5	662.9	629.8
75°	774.8	696.0	617.3	571.8	538.6
77.5°	691.9	600.8	522.0	484.7	451.6
80°	592.5	505.5	430.9	397.7	364.6
82.5°	480.6	410.2	348.0	314.9	290.0
85°	372.9	323.2	273.4	248.6	223.7
87.5°	290.0	252.7	215.4	194.7	174.0
90°	223.7	203.0	174.0	157.4	132.6
92.5°	194.7	178.2	157.4	140.9	120.2
95°	178.2	165.7	149.2	132.6	116.0
97.5°	161.6	153.3	136.7	124.3	107.7
100°	153.3	140.9	128.4	116.0	103.6
102.5°	145.0	132.6	120.2	107.7	99.4
105°	132.6	124.3	111.9	99.4	91.1
107.5°	124.3	111.9	103.6	91.1	87.0
110°	111.9	103.6	95.3	87.0	82.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	99.4	95.3	87.0	78.7	74.6
115°	91.1	82.9	82.9	70.4	70.4
117.5°	82.9	74.6	74.6	66.3	66.3
120°	70.4	66.3	66.3	58.0	58.0
122.5°	62.1	58.0	58.0	53.9	53.9
125°	58.0	49.7	53.9	45.6	49.7
127.5°	49.7	45.6	45.6	41.4	45.6
130°	41.4	37.3	37.3	37.3	41.4
132.5°	37.3	33.1	33.1	33.1	37.3
135°	33.1	29.0	29.0	29.0	33.1
137.5°	29.0	24.9	20.7	24.9	29.0
140°	24.9	20.7	16.6	20.7	24.9
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)