

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: P384575

Luminaire Tested: **14ID-40-L835-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-40-L835-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

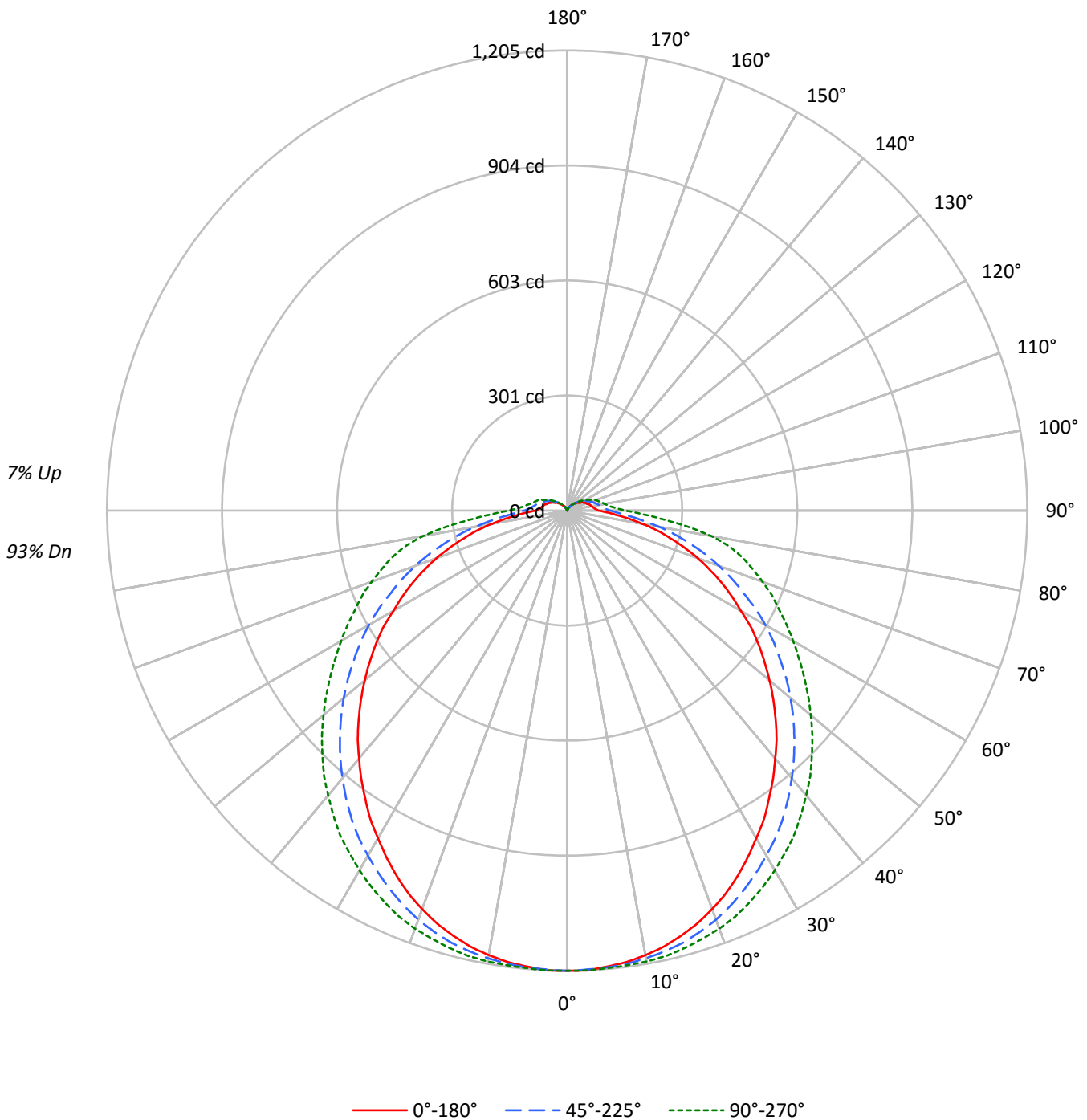
Lumens per Lamp: N/A
Luminaire Lumens: 4217.5 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 33.4
Input Voltage (V): NR
Input Current (A_{in}): 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3243	3243	3243
5°	3221	3183	3180
10°	3195	3131	3138
15°	3158	3082	3097
20°	3110	3022	3058
25°	3046	2950	3009
30°	2971	2875	2953
35°	2900	2801	2899
40°	2829	2711	2828
45°	2765	2622	2760
50°	2696	2530	2686
55°	2636	2430	2618
60°	2553	2333	2567
65°	2504	2199	2537
70°	2444	2070	2541
75°	2358	1893	2557
80°	2286	1678	2454
85°	2311	1419	1970



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	2.7
10°-20°	330.2	7.8
20°-30°	504.5	12.0
30°-40°	614.2	14.6
40°-50°	649.1	15.4
50°-60°	612.7	14.5
60°-70°	515.5	12.2
70°-80°	371.7	8.8
80°-90°	196.0	4.6
90°-100°	104.9	2.5
100°-110°	79.7	1.9
110°-120°	57.8	1.4
120°-130°	36.3	0.9
130°-140°	19.6	0.5
140°-150°	8.5	0.2
150°-160°	2.3	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	949.0	22.5
0°-40°	1563.2	37.1
0°-60°	2825.1	67.0
0°-90°	3908.3	92.7
90°-120°	242.4	5.7
90°-150°	306.8	7.3
90°-180°	309.0	7.3
0°-180°	4217.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1205	1205	1205	1205	1205	
5°	1199	1199	1201	1201	1203	114
15°	1153	1157	1172	1180	1186	325
25°	1056	1068	1096	1121	1132	486
35°	921	942	984	1022	1037	577
45°	772	795	841	888	906	596
55°	612	639	682	732	757	547
65°	446	471	509	572	612	441
75°	280	303	332	398	475	297
85°	128	145	162	202	246	120
90°	82	97	112	132	151	47
95°	72	82	95	107	116	57
105°	61	67	76	84	88	64
115°	48	53	59	63	67	49
125°	36	36	42	42	44	32
135°	25	23	25	25	27	19
145°	15	13	13	13	15	9
155°	6	6	2	4	6	3
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°	1205.2	1205.2	1205.2	1205.2	1205.2
2.5°	1205.2	1203.1	1203.1	1203.1	1205.2
5°	1198.9	1198.9	1201.0	1201.0	1203.1
7.5°	1192.6	1192.6	1196.8	1198.9	1201.0
10°	1182.1	1184.2	1190.5	1194.7	1198.9
12.5°	1169.5	1171.6	1182.1	1190.5	1194.7
15°	1152.6	1156.8	1171.6	1180.0	1186.3
17.5°	1133.7	1140.0	1156.8	1169.5	1175.8
20°	1110.6	1119.0	1140.0	1156.8	1165.2
22.5°	1085.3	1093.7	1119.0	1140.0	1150.5
25°	1055.9	1068.5	1095.8	1121.1	1131.6
27.5°	1024.3	1039.0	1070.6	1100.0	1110.6
30°	990.7	1007.5	1043.3	1074.8	1087.4
32.5°	959.1	975.9	1015.9	1049.6	1062.2
35°	921.3	942.3	984.4	1022.2	1036.9
37.5°	885.5	906.5	950.7	990.7	1005.4
40°	847.6	868.7	915.0	959.1	973.8
42.5°	811.9	832.9	879.2	925.5	942.3
45°	771.9	795.1	841.3	887.6	906.5
47.5°	732.0	755.1	803.5	851.9	870.8
50°	692.0	717.2	763.5	811.9	832.9
52.5°	652.0	677.3	723.5	774.0	795.1
55°	612.1	639.4	681.5	732.0	757.2
57.5°	572.1	599.5	641.5	694.1	719.3
60°	525.8	557.4	599.5	654.1	683.6
62.5°	485.9	513.2	555.3	612.1	647.8
65°	445.9	471.1	509.0	572.1	612.1
67.5°	403.8	431.2	466.9	525.8	580.5
70°	363.9	387.0	422.8	483.8	544.8
72.5°	321.8	344.9	378.6	441.7	509.0
75°	279.7	302.9	332.3	397.5	475.4
77.5°	241.9	260.8	288.2	351.3	435.4
80°	199.8	218.7	244.0	300.8	382.8
82.5°	162.0	178.8	199.8	250.3	315.5
85°	128.3	145.1	162.0	201.9	246.1
87.5°	103.1	115.7	132.5	162.0	191.4
90°	82.0	96.8	111.5	132.5	151.4
92.5°	75.7	88.3	101.0	117.8	130.4
95°	71.5	82.0	94.7	107.3	115.7
97.5°	67.3	77.8	88.3	101.0	107.3
100°	65.2	73.6	84.1	94.7	98.9
102.5°	63.1	69.4	79.9	88.3	94.7
105°	61.0	67.3	75.7	84.1	88.3
107.5°	56.8	63.1	71.5	79.9	84.1
110°	54.7	58.9	67.3	73.6	79.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	52.6	56.8	63.1	69.4	73.6
115°	48.4	52.6	58.9	63.1	67.3
117.5°	46.3	48.4	54.7	56.8	61.0
120°	42.1	44.2	50.5	52.6	54.7
122.5°	37.9	40.0	46.3	46.3	50.5
125°	35.8	35.8	42.1	42.1	44.2
127.5°	33.7	33.7	37.9	37.9	40.0
130°	29.4	29.4	33.7	33.7	33.7
132.5°	27.3	25.2	29.4	29.4	31.6
135°	25.2	23.1	25.2	25.2	27.3
137.5°	21.0	21.0	23.1	21.0	23.1
140°	18.9	16.8	18.9	18.9	21.0
142.5°	16.8	14.7	16.8	14.7	16.8
145°	14.7	12.6	12.6	12.6	14.7
147.5°	12.6	10.5	10.5	10.5	12.6
150°	10.5	8.4	8.4	8.4	10.5
152.5°	8.4	6.3	4.2	6.3	8.4
155°	6.3	6.3	2.1	4.2	6.3
157.5°	4.2	4.2	0.0	2.1	4.2
160°	2.1	2.1	0.0	2.1	2.1
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)