

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: P385107

Luminaire Tested: **14ID-75-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-75-L835-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

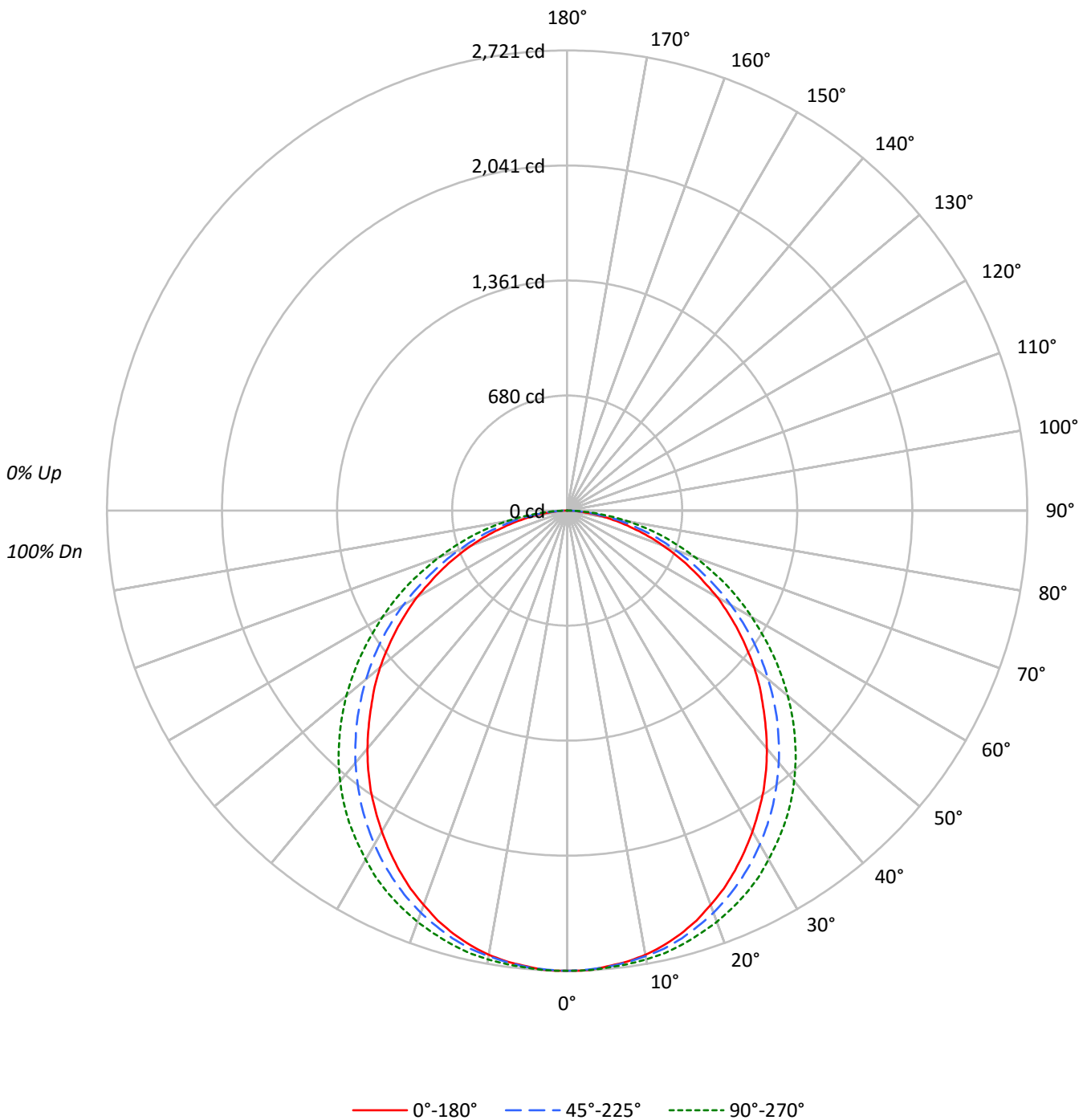
Lumens per Lamp: N/A
Luminaire Lumens: 7555.6 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 70.9
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7323	7323	7323
5°	7310	7320	7330
10°	7290	7311	7363
15°	7220	7295	7390
20°	7105	7247	7411
25°	6971	7175	7424
30°	6810	7082	7402
35°	6648	6974	7387
40°	6453	6842	7337
45°	6237	6686	7252
50°	6047	6494	7132
55°	5794	6294	6974
60°	5518	6030	6789
65°	5145	5678	6601
70°	4738	5338	6327
75°	4200	4953	6063
80°	3544	4429	5611
85°	2587	3412	4471



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.6	3.4
10°-20°	739.0	9.8
20°-30°	1114.6	14.8
30°-40°	1330.6	17.6
40°-50°	1360.0	18.0
50°-60°	1205.9	16.0
60°-70°	899.0	11.9
70°-80°	513.5	6.8
80°-90°	135.5	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2111.2	27.9
0°-40°	3441.8	45.6
0°-60°	6007.6	79.5
0°-90°	7555.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7555.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2721	2721	2721	2721	2721	
5°	2706	2706	2710	2710	2714	257
15°	2592	2599	2618	2641	2653	730
25°	2348	2367	2416	2470	2500	1081
35°	2024	2050	2123	2207	2249	1264
45°	1639	1673	1757	1852	1906	1266
55°	1235	1258	1342	1437	1486	1103
65°	808	827	892	983	1037	801
75°	404	423	476	549	583	431
85°	84	88	110	137	145	105
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2721.3	2721.3	2721.3	2721.3	2721.3
2.5°	2721.3	2717.5	2717.5	2717.5	2721.3
5°	2706.0	2706.0	2709.8	2709.8	2713.6
7.5°	2690.8	2690.8	2694.6	2698.4	2706.0
10°	2667.9	2667.9	2675.5	2687.0	2694.6
12.5°	2633.6	2637.4	2652.7	2667.9	2679.3
15°	2591.7	2599.3	2618.4	2641.2	2652.7
17.5°	2542.1	2549.8	2576.4	2606.9	2622.2
20°	2481.2	2496.4	2530.7	2568.8	2587.9
22.5°	2420.2	2435.4	2477.3	2523.1	2545.9
25°	2347.8	2366.8	2416.4	2469.7	2500.2
27.5°	2271.5	2294.4	2351.6	2412.5	2446.9
30°	2191.5	2218.2	2279.2	2347.8	2382.1
32.5°	2107.6	2134.3	2202.9	2279.2	2317.3
35°	2023.8	2050.5	2122.9	2206.7	2248.7
37.5°	1932.3	1959.0	2035.2	2126.7	2172.4
40°	1837.0	1867.5	1947.6	2039.0	2088.6
42.5°	1737.9	1772.3	1852.3	1951.4	2000.9
45°	1638.9	1673.2	1757.0	1852.3	1905.6
47.5°	1543.6	1570.3	1654.1	1753.2	1806.6
50°	1444.5	1467.3	1551.2	1650.3	1703.6
52.5°	1337.8	1368.3	1448.3	1547.4	1596.9
55°	1234.9	1257.7	1341.6	1436.9	1486.4
57.5°	1128.1	1151.0	1231.0	1326.3	1372.1
60°	1025.2	1048.1	1120.5	1215.8	1261.5
62.5°	910.9	933.8	1006.2	1105.3	1151.0
65°	808.0	827.1	891.8	983.3	1036.7
67.5°	705.1	724.1	785.1	872.8	914.7
70°	602.2	617.4	678.4	758.4	804.2
72.5°	503.1	518.3	579.3	651.7	689.8
75°	404.0	423.1	476.4	548.8	583.1
77.5°	312.5	331.6	377.3	442.1	472.6
80°	228.7	243.9	285.8	335.4	362.1
82.5°	152.5	163.9	194.4	236.3	255.4
85°	83.8	87.7	110.5	137.2	144.8
87.5°	34.3	34.3	41.9	45.7	49.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)