

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: P385279

Luminaire Tested: **14ID-80-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-80-L835-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

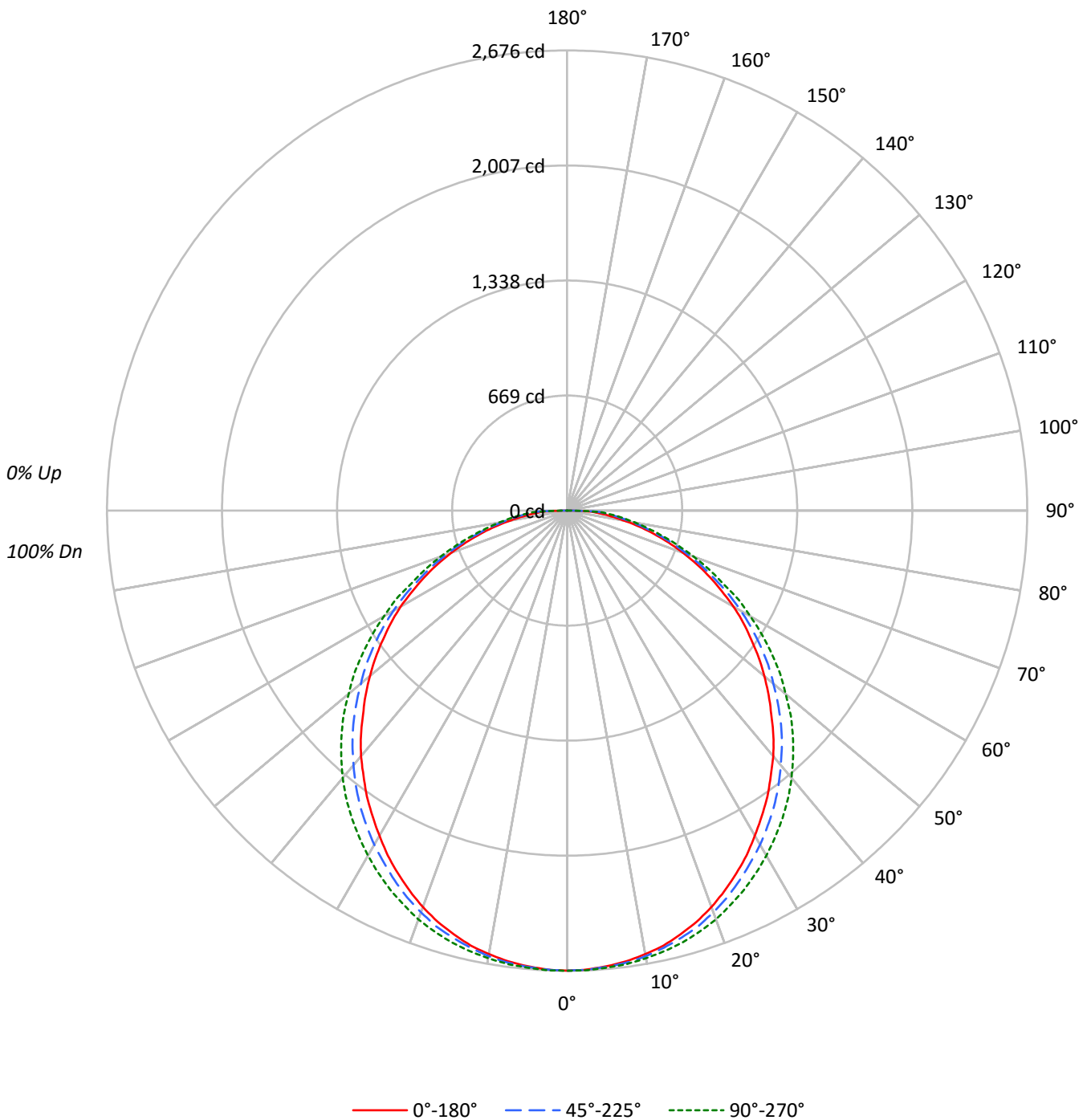
Lumens per Lamp: N/A
Luminaire Lumens: 7760.4 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 77.1
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7200	7200	7200
5°	7158	7103	7102
10°	7104	7008	7017
15°	7027	6890	6931
20°	6922	6757	6832
25°	6782	6593	6704
30°	6625	6426	6566
35°	6479	6249	6423
40°	6328	6044	6256
45°	6133	5836	6055
50°	5971	5576	5793
55°	5790	5318	5505
60°	5612	5001	5141
65°	5355	4608	4676
70°	5043	4182	4225
75°	4684	3709	3699
80°	4199	3203	3183
85°	3968	2785	2702



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.2	3.3
10°-20°	725.5	9.3
20°-30°	1094.9	14.1
30°-40°	1314.1	16.9
40°-50°	1360.0	17.5
50°-60°	1232.1	15.9
60°-70°	949.3	12.2
70°-80°	587.4	7.6
80°-90°	244.0	3.1
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°	2073.5	26.7
0°-40°	3387.7	43.7
0°-60°	5979.8	77.1
0°-90°	7760.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7760.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2676	2676	2676	2676	2676	
5°	2660	2660	2664	2664	2668	253
15°	2550	2555	2571	2587	2599	719
25°	2329	2337	2373	2413	2434	1073
35°	2030	2046	2098	2155	2183	1269
45°	1679	1703	1760	1824	1856	1298
55°	1308	1328	1372	1433	1453	1171
65°	916	924	952	993	997	906
75°	521	533	553	577	577	551
85°	190	210	242	258	254	205
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2675.6	2675.6	2675.6	2675.6	2675.6
2.5°	2671.6	2671.6	2671.6	2671.6	2675.6
5°	2659.5	2659.5	2663.5	2663.5	2667.6
7.5°	2643.3	2643.3	2651.4	2651.4	2659.5
10°	2619.1	2623.2	2631.2	2635.3	2643.3
12.5°	2590.9	2590.9	2603.0	2615.1	2623.2
15°	2550.5	2554.6	2570.7	2586.8	2599.0
17.5°	2506.1	2510.2	2534.4	2550.5	2566.7
20°	2453.7	2457.7	2486.0	2510.2	2530.3
22.5°	2393.1	2401.2	2433.5	2465.8	2481.9
25°	2328.6	2336.6	2373.0	2413.3	2433.5
27.5°	2260.0	2272.1	2308.4	2352.8	2377.0
30°	2183.3	2199.4	2243.8	2292.2	2316.5
32.5°	2106.6	2122.7	2171.2	2227.7	2251.9
35°	2029.9	2046.1	2098.5	2155.0	2183.3
37.5°	1945.2	1961.3	2017.8	2078.4	2110.6
40°	1864.5	1880.6	1933.1	2001.7	2029.9
42.5°	1775.7	1791.8	1848.3	1912.9	1945.2
45°	1678.8	1703.0	1759.5	1824.1	1856.4
47.5°	1590.0	1610.2	1662.7	1731.3	1763.6
50°	1497.2	1517.4	1565.8	1634.4	1658.6
52.5°	1404.4	1424.6	1473.0	1537.6	1561.8
55°	1307.5	1327.7	1372.1	1432.7	1452.8
57.5°	1214.7	1230.9	1271.2	1327.7	1343.9
60°	1117.9	1134.0	1166.3	1218.8	1230.9
62.5°	1012.9	1025.1	1061.4	1109.8	1125.9
65°	916.1	924.2	952.4	992.8	996.8
67.5°	815.2	823.3	851.5	879.8	891.9
70°	714.3	726.4	746.6	774.8	782.9
72.5°	617.5	629.6	649.7	674.0	678.0
75°	520.6	532.7	552.9	577.1	577.1
77.5°	427.8	439.9	464.1	484.3	484.3
80°	335.0	355.1	379.4	399.5	399.5
82.5°	258.3	274.4	306.7	322.9	322.9
85°	189.7	209.9	242.1	258.3	254.2
87.5°	137.2	157.4	185.6	197.7	193.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)