

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: P385371

Luminaire Tested: **24ID-60-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385371
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: 24ID-60-L835-CNV
Description: 2X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

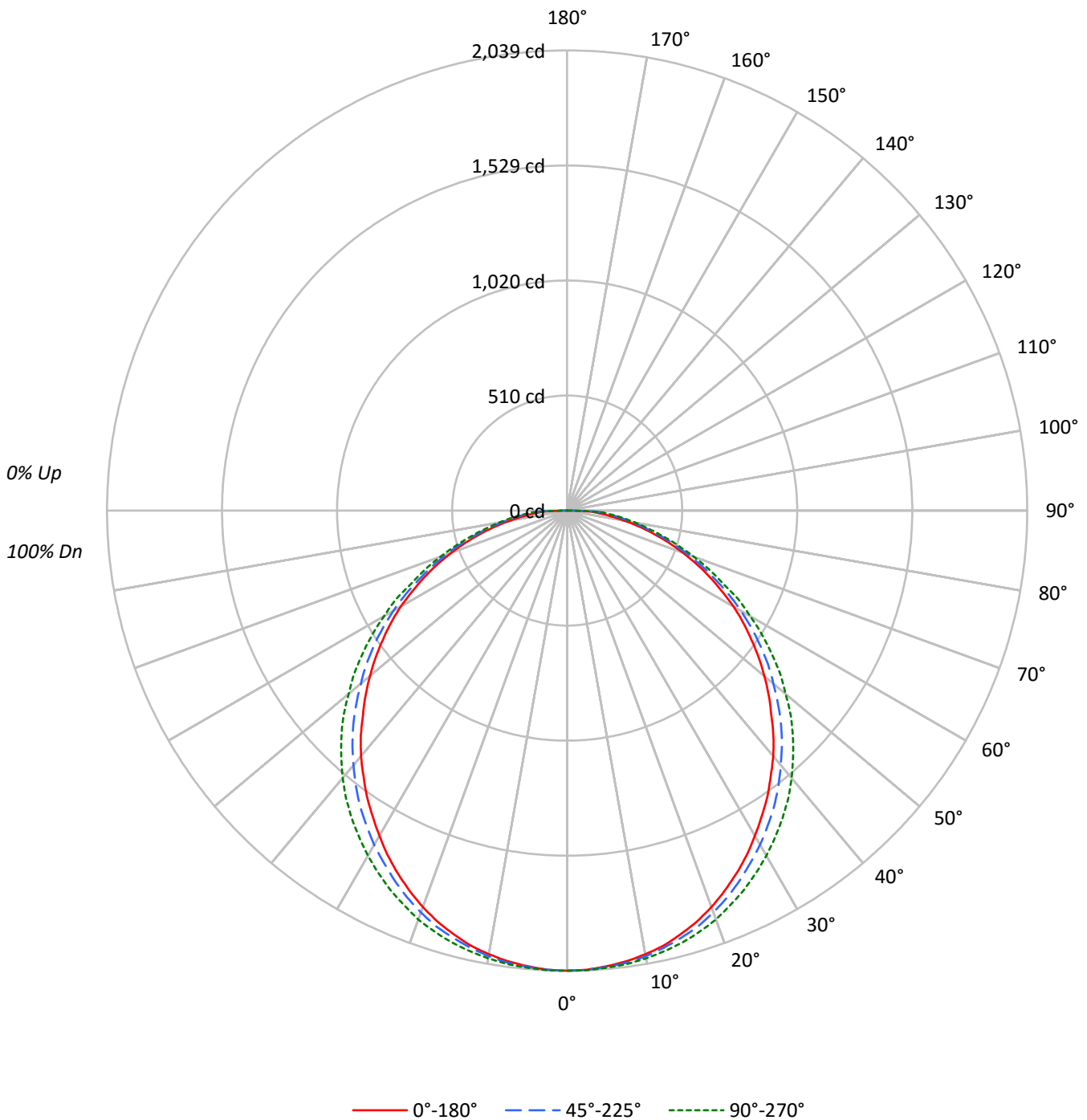
Lumens per Lamp: N/A
Luminaire Lumens: 5913.8 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 54.5
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°	2743	2743	2743
5°	2727	2720	2726
10°	2707	2697	2712
15°	2677	2666	2698
20°	2637	2628	2680
25°	2584	2578	2650
30°	2524	2528	2617
35°	2469	2474	2582
40°	2411	2409	2539
45°	2337	2344	2485
50°	2275	2260	2407
55°	2206	2178	2321
60°	2138	2074	2206
65°	2040	1943	2052
70°	1921	1801	1910
75°	1785	1647	1744
80°	1600	1492	1602
85°	1511	1417	1532



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.9	3.3
10°-20°	552.9	9.3
20°-30°	834.3	14.1
30°-40°	1001.4	16.9
40°-50°	1036.4	17.5
50°-60°	938.9	15.9
60°-70°	723.4	12.2
70°-80°	447.6	7.6
80°-90°	185.9	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°	1580.1	26.7
0°-40°	2581.6	43.7
0°-60°	4556.9	77.1
0°-90°	5913.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5913.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2039	2039	2039	2039	2039	
5°	2027	2027	2030	2030	2033	193
15°	1944	1947	1959	1971	1980	548
25°	1774	1781	1808	1839	1854	817
35°	1547	1559	1599	1642	1664	967
45°	1279	1298	1341	1390	1415	989
55°	996	1012	1046	1092	1107	892
65°	698	704	726	756	760	690
75°	397	406	421	440	440	420
85°	144	160	184	197	194	156
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2039.0	2039.0	2039.0	2039.0	2039.0
2.5°	2035.9	2035.9	2035.9	2035.9	2039.0
5°	2026.7	2026.7	2029.7	2029.7	2032.8
7.5°	2014.4	2014.4	2020.5	2020.5	2026.7
10°	1995.9	1999.0	2005.1	2008.2	2014.4
12.5°	1974.4	1974.4	1983.6	1992.8	1999.0
15°	1943.6	1946.7	1959.0	1971.3	1980.5
17.5°	1909.8	1912.9	1931.3	1943.6	1955.9
20°	1869.8	1872.9	1894.4	1912.9	1928.2
22.5°	1823.7	1829.8	1854.4	1879.0	1891.3
25°	1774.5	1780.6	1808.3	1839.1	1854.4
27.5°	1722.2	1731.4	1759.1	1792.9	1811.4
30°	1663.8	1676.1	1709.9	1746.8	1765.3
32.5°	1605.3	1617.6	1654.5	1697.6	1716.0
35°	1546.9	1559.2	1599.2	1642.2	1663.8
37.5°	1482.3	1494.6	1537.7	1583.8	1608.4
40°	1420.8	1433.1	1473.1	1525.4	1546.9
42.5°	1353.2	1365.5	1408.5	1457.7	1482.3
45°	1279.3	1297.8	1340.9	1390.1	1414.7
47.5°	1211.7	1227.1	1267.0	1319.3	1343.9
50°	1141.0	1156.3	1193.2	1245.5	1264.0
52.5°	1070.2	1085.6	1122.5	1171.7	1190.2
55°	996.4	1011.8	1045.6	1091.7	1107.1
57.5°	925.7	938.0	968.7	1011.8	1024.1
60°	851.9	864.2	888.8	928.8	938.0
62.5°	771.9	781.1	808.8	845.7	858.0
65°	698.1	704.3	725.8	756.5	759.6
67.5°	621.2	627.4	648.9	670.4	679.7
70°	544.3	553.6	568.9	590.5	596.6
72.5°	470.5	479.8	495.1	513.6	516.7
75°	396.7	405.9	421.3	439.8	439.8
77.5°	326.0	335.2	353.7	369.0	369.0
80°	255.3	270.6	289.1	304.5	304.5
82.5°	196.8	209.1	233.7	246.0	246.0
85°	144.5	159.9	184.5	196.8	193.7
87.5°	104.6	119.9	141.5	150.7	147.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)