

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: P385149

Luminaire Tested: **22ID-55-L850-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385149
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: 22ID-55-L850-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

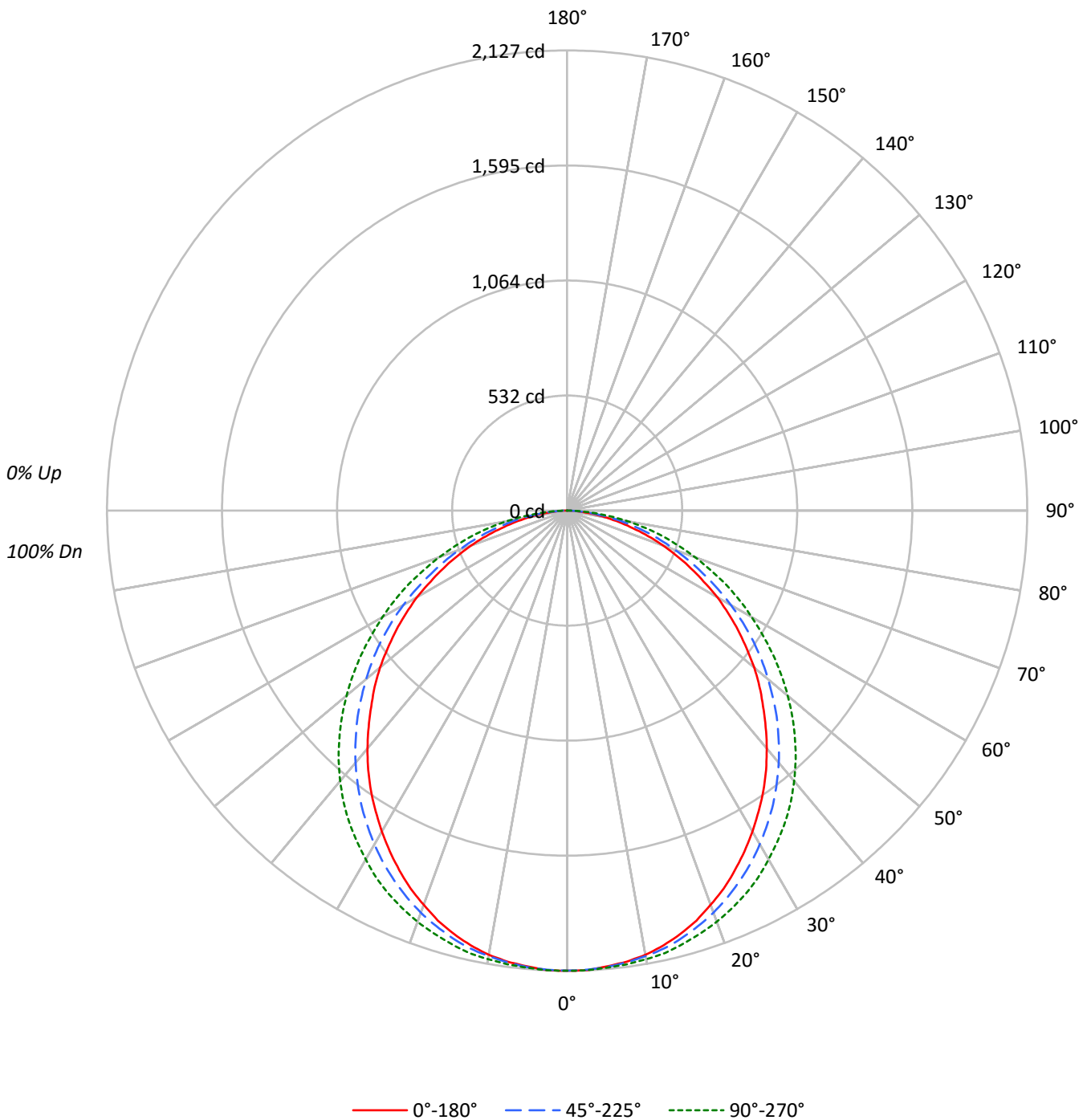
Lumens per Lamp: N/A
Luminaire Lumens: 5905.2 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 46.3
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°	5723	5723	5723
5°	5713	5721	5729
10°	5698	5714	5755
15°	5643	5701	5776
20°	5553	5664	5792
25°	5448	5607	5802
30°	5322	5535	5785
35°	5196	5451	5774
40°	5044	5347	5734
45°	4875	5226	5668
50°	4726	5076	5574
55°	4528	4919	5450
60°	4313	4714	5307
65°	4021	4438	5159
70°	3703	4172	4945
75°	3283	3871	4739
80°	2769	3462	4386
85°	2022	2668	3495



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.3	3.4
10°-20°	577.6	9.8
20°-30°	871.1	14.8
30°-40°	1040.0	17.6
40°-50°	1062.9	18.0
50°-60°	942.5	16.0
60°-70°	702.6	11.9
70°-80°	401.4	6.8
80°-90°	105.9	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°	1650.0	27.9
0°-40°	2690.0	45.6
0°-60°	4695.4	79.5
0°-90°	5905.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5905.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2127	2127	2127	2127	2127	
5°	2115	2115	2118	2118	2121	201
15°	2026	2032	2046	2064	2073	571
25°	1835	1850	1888	1930	1954	845
35°	1582	1603	1659	1725	1758	988
45°	1281	1308	1373	1448	1489	990
55°	965	983	1048	1123	1162	862
65°	632	646	697	768	810	626
75°	316	331	372	429	456	337
85°	66	68	86	107	113	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2126.8	2126.8	2126.8	2126.8	2126.8
2.5°	2126.8	2123.9	2123.9	2123.9	2126.8
5°	2114.9	2114.9	2117.9	2117.9	2120.9
7.5°	2103.0	2103.0	2106.0	2109.0	2114.9
10°	2085.1	2085.1	2091.1	2100.0	2106.0
12.5°	2058.3	2061.3	2073.2	2085.1	2094.1
15°	2025.6	2031.5	2046.4	2064.3	2073.2
17.5°	1986.8	1992.8	2013.7	2037.5	2049.4
20°	1939.2	1951.1	1977.9	2007.7	2022.6
22.5°	1891.5	1903.4	1936.2	1972.0	1989.8
25°	1834.9	1849.8	1888.5	1930.2	1954.1
27.5°	1775.4	1793.2	1837.9	1885.6	1912.4
30°	1712.8	1733.6	1781.3	1834.9	1861.7
32.5°	1647.3	1668.1	1721.7	1781.3	1811.1
35°	1581.7	1602.6	1659.2	1724.7	1757.5
37.5°	1510.2	1531.1	1590.7	1662.2	1697.9
40°	1435.8	1459.6	1522.2	1593.6	1632.4
42.5°	1358.3	1385.1	1447.7	1525.1	1563.9
45°	1280.9	1307.7	1373.2	1447.7	1489.4
47.5°	1206.4	1227.3	1292.8	1370.2	1411.9
50°	1129.0	1146.8	1212.4	1289.8	1331.5
52.5°	1045.6	1069.4	1131.9	1209.4	1248.1
55°	965.1	983.0	1048.5	1123.0	1161.7
57.5°	881.7	899.6	962.1	1036.6	1072.4
60°	801.3	819.2	875.8	950.2	986.0
62.5°	711.9	729.8	786.4	863.8	899.6
65°	631.5	646.4	697.0	768.5	810.2
67.5°	551.1	566.0	613.6	682.1	714.9
70°	470.6	482.6	530.2	592.8	628.5
72.5°	393.2	405.1	452.8	509.4	539.2
75°	315.8	330.6	372.3	428.9	455.8
77.5°	244.3	259.2	294.9	345.5	369.4
80°	178.7	190.6	223.4	262.1	283.0
82.5°	119.2	128.1	151.9	184.7	199.6
85°	65.5	68.5	86.4	107.2	113.2
87.5°	26.8	26.8	32.8	35.7	38.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)