

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: P383917

Luminaire Tested: **14ID-55-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-55-L850-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

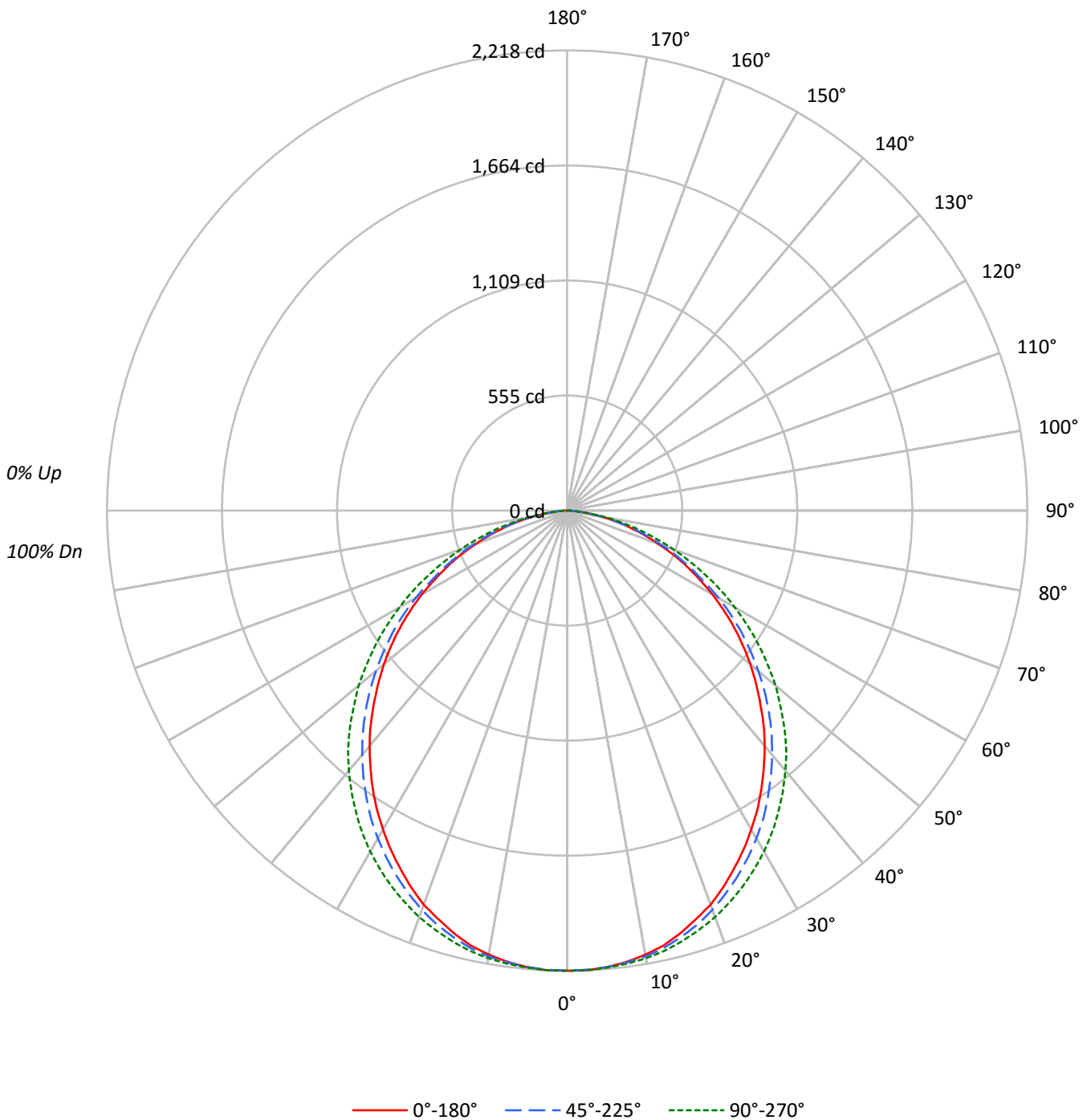
Lumens per Lamp: N/A
Luminaire Lumens: 5853.8 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.2
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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5967	5967	5967
5°	5966	5966	5974
10°	5939	5963	5987
15°	5875	5925	5982
20°	5787	5863	5972
25°	5652	5774	5940
30°	5514	5669	5897
35°	5367	5541	5830
40°	5204	5399	5749
45°	5012	5235	5637
50°	4826	5035	5489
55°	4610	4816	5284
60°	4357	4547	5020
65°	4053	4183	4688
70°	3670	3808	4293
75°	3202	3324	3751
80°	2591	2636	2955
85°	1541	1720	1448



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.9	3.6
10°-20°	600.0	10.2
20°-30°	897.5	15.3
30°-40°	1060.4	18.1
40°-50°	1070.0	18.3
50°-60°	929.2	15.9
60°-70°	666.3	11.4
70°-80°	347.1	5.9
80°-90°	73.3	1.3
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°	1707.4	29.2
0°-40°	2767.8	47.3
0°-60°	4767.1	81.4
0°-90°	5853.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5853.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2218	2218	2218	2218	2218	
5°	2209	2206	2209	2209	2212	210
15°	2109	2112	2127	2141	2147	594
25°	1904	1915	1945	1983	2000	877
35°	1634	1646	1687	1748	1775	1021
45°	1317	1332	1376	1446	1481	1017
55°	983	991	1027	1094	1126	878
65°	636	634	657	707	736	629
75°	308	305	320	343	361	329
85°	50	56	56	50	47	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2217.5	2217.5	2217.5	2217.5	2217.5
2.5°	2217.5	2214.6	2214.6	2214.6	2217.5
5°	2208.7	2205.8	2208.7	2208.7	2211.6
7.5°	2194.0	2191.1	2197.0	2199.9	2202.8
10°	2173.5	2173.5	2182.3	2188.2	2191.1
12.5°	2147.1	2147.1	2158.8	2167.6	2173.5
15°	2109.0	2111.9	2126.6	2141.2	2147.1
17.5°	2065.0	2073.8	2091.4	2111.9	2117.8
20°	2021.0	2026.8	2047.4	2073.8	2085.5
22.5°	1965.2	1974.0	1997.5	2032.7	2044.4
25°	1903.6	1915.4	1944.7	1982.8	2000.4
27.5°	1842.0	1850.8	1886.0	1930.0	1950.6
30°	1774.6	1786.3	1824.4	1874.3	1897.8
32.5°	1707.1	1715.9	1759.9	1812.7	1839.1
35°	1633.8	1645.5	1686.6	1748.2	1774.6
37.5°	1557.5	1572.2	1613.3	1677.8	1707.1
40°	1481.3	1490.1	1537.0	1601.5	1636.7
42.5°	1402.1	1413.8	1457.8	1528.2	1563.4
45°	1317.0	1331.7	1375.7	1446.1	1481.3
47.5°	1234.9	1249.5	1290.6	1361.0	1393.3
50°	1152.7	1161.5	1202.6	1273.0	1311.1
52.5°	1067.7	1076.5	1114.6	1182.1	1217.3
55°	982.6	991.4	1026.6	1094.1	1126.3
57.5°	894.6	900.5	935.7	997.3	1029.6
60°	809.6	812.5	844.8	900.5	932.8
62.5°	718.6	721.6	745.0	809.6	838.9
65°	636.5	633.6	657.0	706.9	736.2
67.5°	551.4	551.4	572.0	616.0	639.4
70°	466.4	466.4	484.0	522.1	545.6
72.5°	387.2	387.2	401.8	431.2	448.8
75°	308.0	305.1	319.7	343.2	360.8
77.5°	234.7	234.7	240.5	261.1	272.8
80°	167.2	167.2	170.1	181.9	190.7
82.5°	105.6	105.6	105.6	111.5	114.4
85°	49.9	55.7	55.7	49.9	46.9
87.5°	23.5	23.5	20.5	20.5	20.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)