

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: P383803

Luminaire Tested: **22ID-55-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-55-L835-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

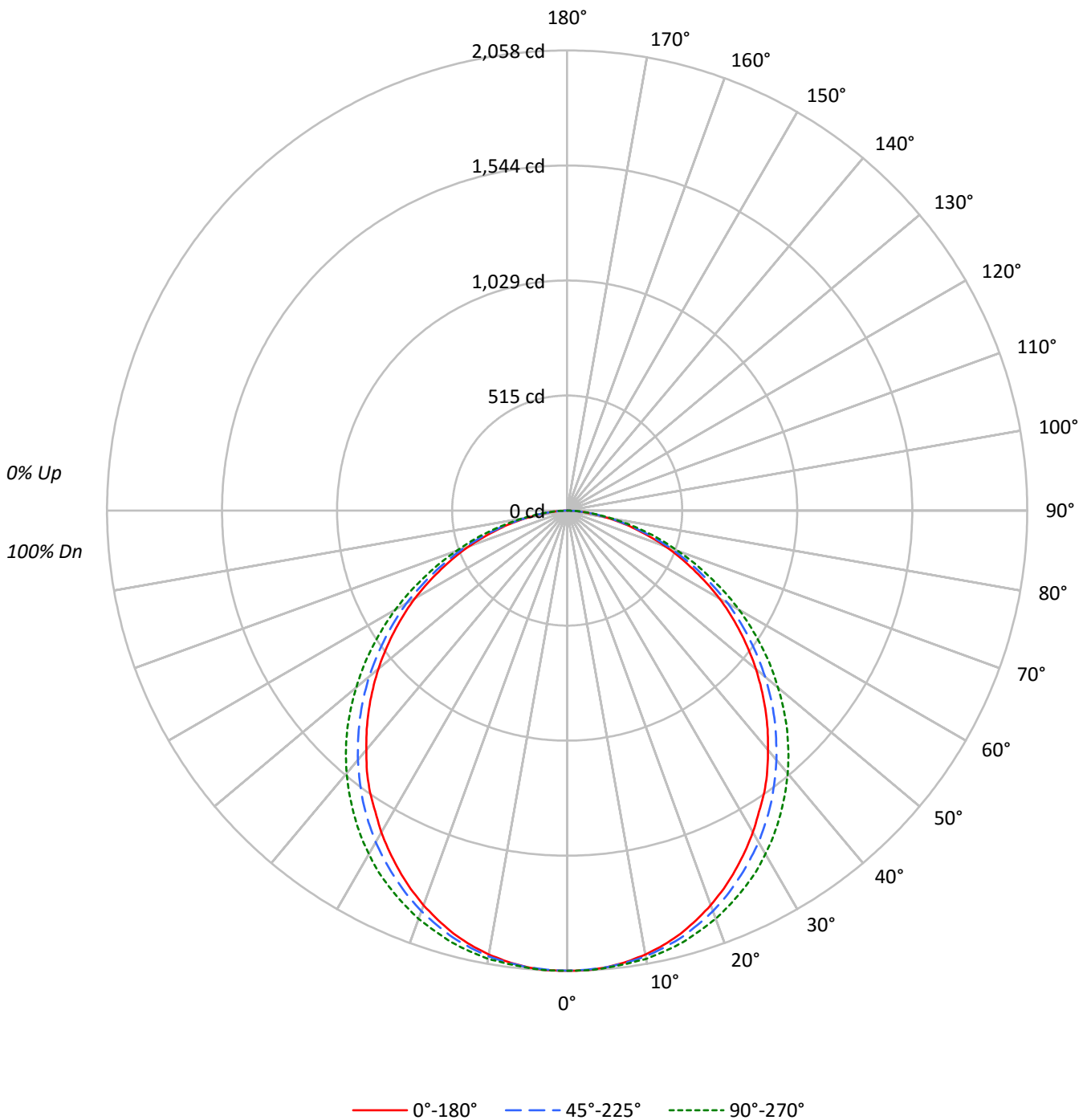
Lumens per Lamp: N/A
Luminaire Lumens: 5589.2 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 45.9
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	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5538	5538	5538
5°	5536	5536	5544
10°	5508	5531	5562
15°	5459	5506	5569
20°	5378	5459	5563
25°	5276	5393	5543
30°	5163	5320	5512
35°	5052	5228	5458
40°	4908	5116	5393
45°	4772	4986	5296
50°	4614	4837	5155
55°	4432	4656	4986
60°	4237	4464	4781
65°	3956	4189	4476
70°	3672	3871	4136
75°	3274	3450	3742
80°	2744	2876	3137
85°	2084	2084	2343



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.8	3.5
10°-20°	557.3	10.0
20°-30°	838.0	15.0
30°-40°	996.9	17.8
40°-50°	1014.4	18.1
50°-60°	892.7	16.0
60°-70°	654.9	11.7
70°-80°	355.4	6.4
80°-90°	84.8	1.5
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°	1590.1	28.4
0°-40°	2587.0	46.3
0°-60°	4494.1	80.4
0°-90°	5589.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5589.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2058	2058	2058	2058	2058	
5°	2050	2047	2050	2050	2052	195
15°	1960	1962	1976	1988	1999	552
25°	1777	1788	1816	1847	1867	818
35°	1538	1549	1591	1639	1662	960
45°	1254	1265	1310	1366	1392	967
55°	945	959	992	1040	1063	845
65°	621	633	658	686	703	618
75°	315	320	332	349	360	335
85°	68	68	68	73	76	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2058.0	2058.0	2058.0	2058.0	2058.0
2.5°	2058.0	2055.2	2055.2	2055.2	2058.0
5°	2049.6	2046.7	2049.6	2049.6	2052.4
7.5°	2035.5	2032.7	2038.3	2041.1	2043.9
10°	2015.8	2015.8	2024.3	2029.9	2035.5
12.5°	1990.5	1993.3	2001.8	2010.2	2018.6
15°	1959.6	1962.4	1976.5	1987.7	1998.9
17.5°	1920.2	1925.9	1942.7	1959.6	1970.8
20°	1878.1	1886.5	1906.2	1928.7	1942.7
22.5°	1830.3	1841.5	1864.0	1892.1	1906.2
25°	1776.8	1788.1	1816.2	1847.1	1866.8
27.5°	1720.6	1734.7	1765.6	1802.1	1824.6
30°	1661.6	1675.6	1712.2	1751.5	1774.0
32.5°	1596.9	1613.8	1653.1	1698.1	1720.6
35°	1537.9	1549.1	1591.3	1639.1	1661.6
37.5°	1470.4	1484.5	1523.8	1574.4	1599.7
40°	1397.3	1411.4	1456.3	1506.9	1535.1
42.5°	1327.0	1338.3	1383.2	1439.5	1464.8
45°	1253.9	1265.2	1310.1	1366.4	1391.7
47.5°	1178.0	1192.1	1234.2	1287.6	1313.0
50°	1102.1	1113.3	1155.5	1206.1	1231.4
52.5°	1023.4	1034.6	1074.0	1124.6	1149.9
55°	944.7	958.7	992.4	1040.2	1062.7
57.5°	865.9	880.0	910.9	955.9	975.6
60°	787.2	798.5	829.4	868.7	888.4
62.5°	702.9	711.3	742.2	781.6	798.5
65°	621.3	632.6	657.9	686.0	702.9
67.5°	545.4	551.0	573.5	604.5	615.7
70°	466.7	472.3	492.0	517.3	525.7
72.5°	388.0	396.4	410.5	433.0	444.2
75°	314.9	320.5	331.8	348.6	359.9
77.5°	244.6	247.4	255.8	269.9	278.3
80°	177.1	179.9	185.6	196.8	202.4
82.5°	118.1	120.9	123.7	129.3	135.0
85°	67.5	67.5	67.5	73.1	75.9
87.5°	25.3	22.5	22.5	22.5	22.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)