

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: P383977

Luminaire Tested: **22ID-60-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383977
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: 22ID-60-L850-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

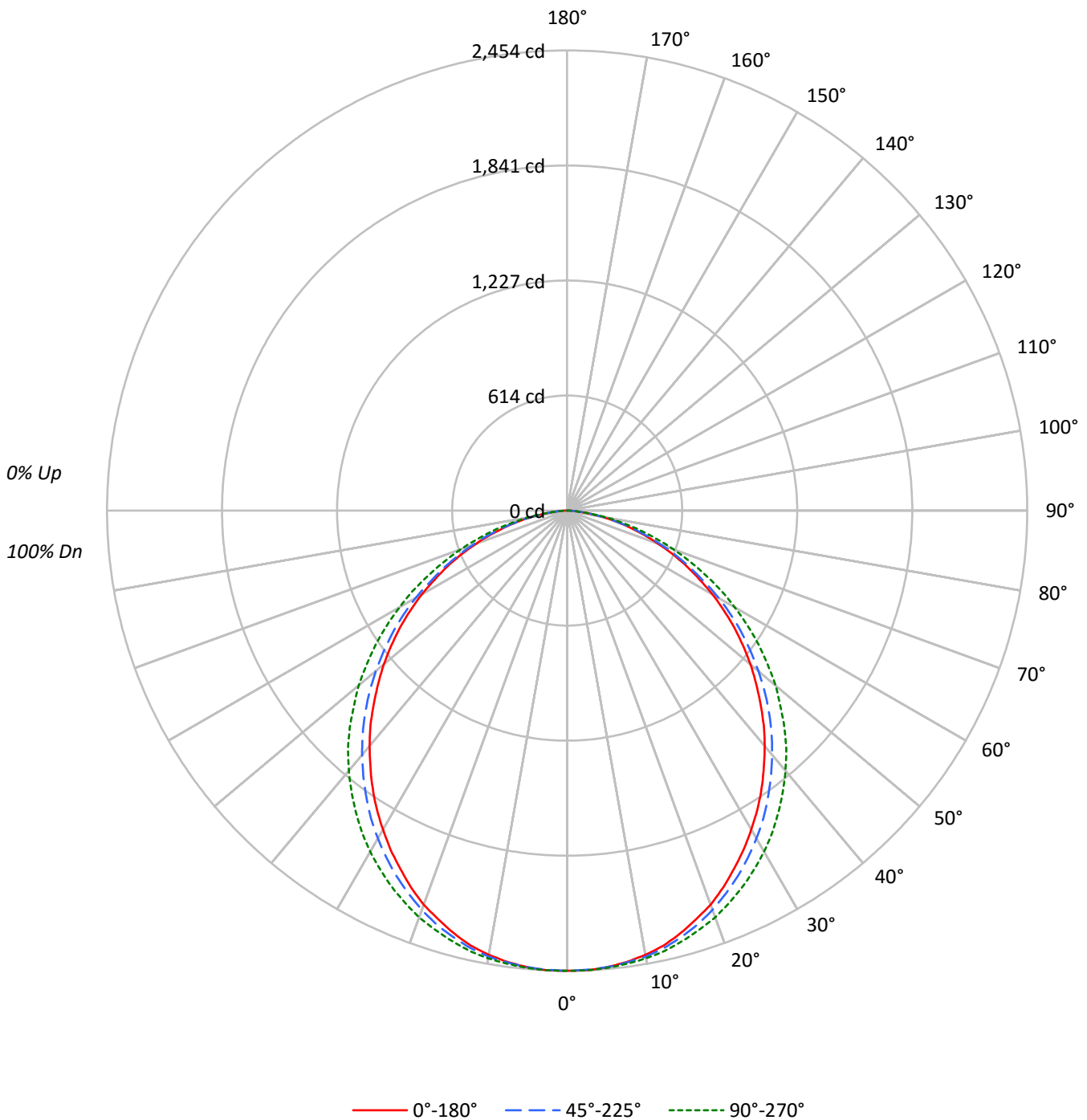
Lumens per Lamp: N/A
Luminaire Lumens: 6478.5 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 51.4
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°	6604	6604	6604
5°	6603	6603	6612
10°	6573	6600	6626
15°	6502	6557	6620
20°	6405	6489	6610
25°	6255	6390	6573
30°	6103	6274	6526
35°	5940	6132	6452
40°	5759	5975	6363
45°	5547	5794	6239
50°	5341	5572	6075
55°	5102	5331	5848
60°	4822	5032	5556
65°	4485	4630	5188
70°	4061	4214	4751
75°	3544	3679	4152
80°	2867	2918	3270
85°	1704	1905	1602



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.3	3.6
10°-20°	664.0	10.2
20°-30°	993.3	15.3
30°-40°	1173.5	18.1
40°-50°	1184.2	18.3
50°-60°	1028.4	15.9
60°-70°	737.4	11.4
70°-80°	384.2	5.9
80°-90°	81.1	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°	1889.7	29.2
0°-40°	3063.2	47.3
0°-60°	5275.8	81.4
0°-90°	6478.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6478.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2454	2454	2454	2454	2454	
5°	2444	2441	2444	2444	2448	232
15°	2334	2337	2354	2370	2376	658
25°	2107	2120	2152	2194	2214	971
35°	1808	1821	1867	1935	1964	1130
45°	1458	1474	1522	1600	1639	1126
55°	1088	1097	1136	1211	1246	971
65°	704	701	727	782	815	696
75°	341	338	354	380	399	364
85°	55	62	62	55	52	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2454.1	2454.1	2454.1	2454.1	2454.1
2.5°	2454.1	2450.9	2450.9	2450.9	2454.1
5°	2444.4	2441.2	2444.4	2444.4	2447.6
7.5°	2428.2	2424.9	2431.4	2434.7	2437.9
10°	2405.4	2405.4	2415.2	2421.7	2424.9
12.5°	2376.2	2376.2	2389.2	2399.0	2405.4
15°	2334.0	2337.3	2353.5	2369.7	2376.2
17.5°	2285.3	2295.1	2314.6	2337.3	2343.8
20°	2236.6	2243.1	2265.9	2295.1	2308.1
22.5°	2175.0	2184.7	2210.7	2249.6	2262.6
25°	2106.8	2119.8	2152.2	2194.4	2213.9
27.5°	2038.6	2048.4	2087.3	2136.0	2158.7
30°	1964.0	1976.9	2019.1	2074.3	2100.3
32.5°	1889.3	1899.0	1947.7	2006.2	2035.4
35°	1808.1	1821.1	1866.6	1934.7	1964.0
37.5°	1723.7	1740.0	1785.4	1856.8	1889.3
40°	1639.3	1649.1	1701.0	1772.4	1811.4
42.5°	1551.7	1564.7	1613.4	1691.3	1730.2
45°	1457.6	1473.8	1522.5	1600.4	1639.3
47.5°	1366.7	1382.9	1428.3	1506.2	1542.0
50°	1275.8	1285.5	1330.9	1408.9	1451.1
52.5°	1181.6	1191.4	1233.6	1308.2	1347.2
55°	1087.5	1097.2	1136.2	1210.8	1246.5
57.5°	990.1	996.6	1035.5	1103.7	1139.4
60°	896.0	899.2	934.9	996.6	1032.3
62.5°	795.3	798.6	824.5	896.0	928.4
65°	704.4	701.2	727.2	782.3	814.8
67.5°	610.3	610.3	633.0	681.7	707.7
70°	516.1	516.1	535.6	577.8	603.8
72.5°	428.5	428.5	444.7	477.2	496.7
75°	340.9	337.6	353.8	379.8	399.3
77.5°	259.7	259.7	266.2	288.9	301.9
80°	185.0	185.0	188.3	201.3	211.0
82.5°	116.9	116.9	116.9	123.4	126.6
85°	55.2	61.7	61.7	55.2	51.9
87.5°	26.0	26.0	22.7	22.7	22.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)