

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: P383813

Luminaire Tested: **22ID-65-L850-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383813
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-65-L850-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

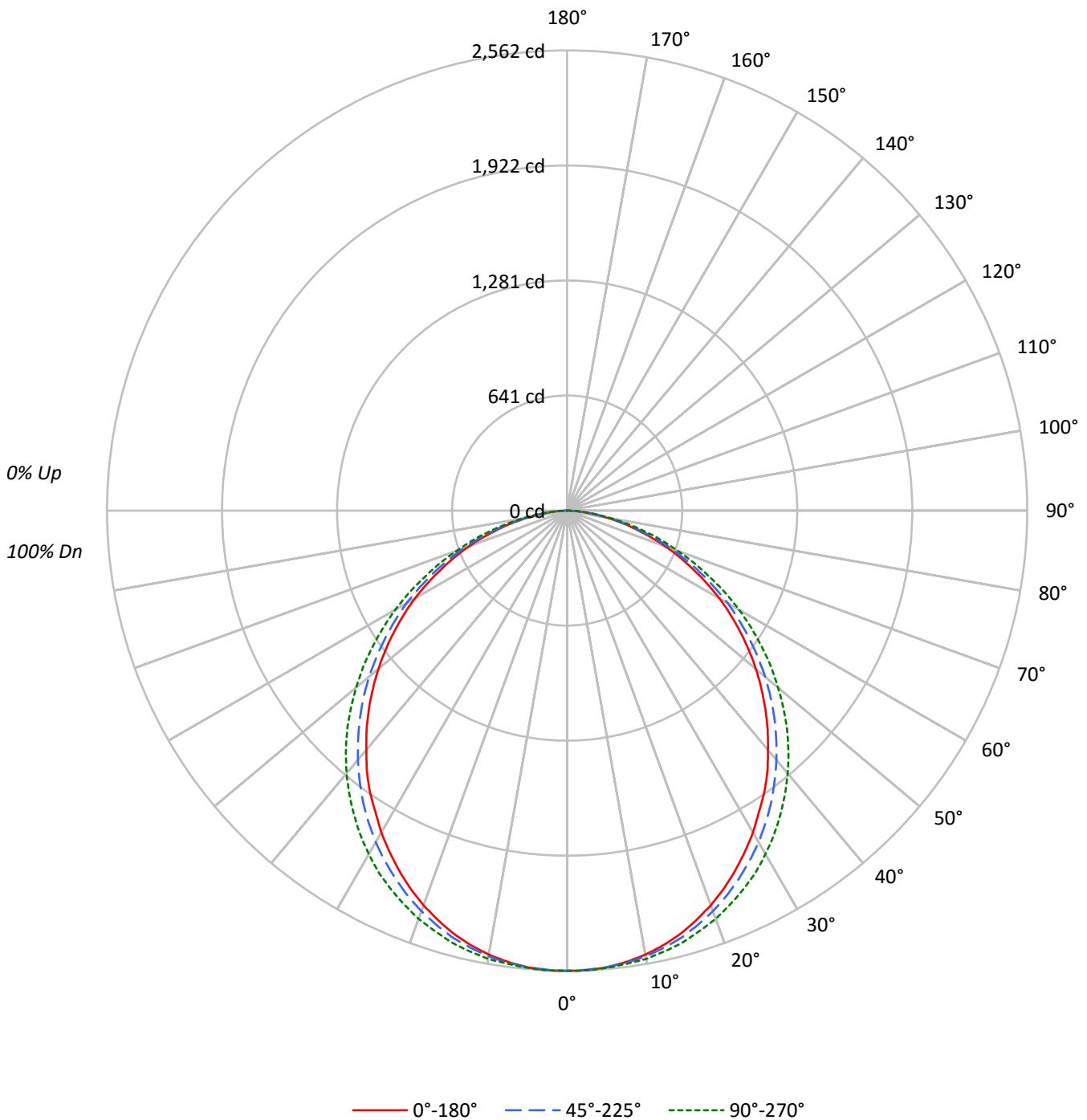
Lumens per Lamp: N/A
Luminaire Lumens: 6958.5 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 56.6
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°	6895	6895	6895
5°	6893	6893	6902
10°	6858	6886	6925
15°	6797	6855	6933
20°	6696	6796	6926
25°	6568	6714	6901
30°	6428	6623	6863
35°	6290	6508	6796
40°	6111	6369	6713
45°	5941	6207	6594
50°	5744	6023	6418
55°	5518	5797	6207
60°	5275	5557	5953
65°	4926	5216	5572
70°	4571	4819	5150
75°	4076	4294	4658
80°	3417	3580	3905
85°	2594	2594	2918



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.5	3.5
10°-20°	693.9	10.0
20°-30°	1043.3	15.0
30°-40°	1241.1	17.8
40°-50°	1262.9	18.1
50°-60°	1111.4	16.0
60°-70°	815.3	11.7
70°-80°	442.5	6.4
80°-90°	105.6	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°	1979.7	28.5
0°-40°	3220.8	46.3
0°-60°	5595.1	80.4
0°-90°	6958.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6958.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2562	2562	2562	2562	2562	
5°	2552	2548	2552	2552	2555	242
15°	2440	2443	2461	2475	2489	687
25°	2212	2226	2261	2300	2324	1019
35°	1915	1929	1981	2041	2069	1195
45°	1561	1575	1631	1701	1733	1203
55°	1176	1194	1236	1295	1323	1052
65°	774	788	819	854	875	769
75°	392	399	413	434	448	417
85°	84	84	84	91	94	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2562.2	2562.2	2562.2	2562.2	2562.2
2.5°	2562.2	2558.7	2558.7	2558.7	2562.2
5°	2551.7	2548.2	2551.7	2551.7	2555.2
7.5°	2534.2	2530.7	2537.7	2541.2	2544.7
10°	2509.7	2509.7	2520.2	2527.2	2534.2
12.5°	2478.2	2481.7	2492.2	2502.7	2513.2
15°	2439.7	2443.2	2460.7	2474.7	2488.7
17.5°	2390.7	2397.7	2418.7	2439.7	2453.7
20°	2338.2	2348.7	2373.2	2401.2	2418.7
22.5°	2278.7	2292.7	2320.7	2355.7	2373.2
25°	2212.2	2226.2	2261.2	2299.7	2324.2
27.5°	2142.1	2159.6	2198.2	2243.7	2271.7
30°	2068.6	2086.1	2131.6	2180.7	2208.7
32.5°	1988.1	2009.1	2058.1	2114.1	2142.1
35°	1914.6	1928.6	1981.1	2040.6	2068.6
37.5°	1830.6	1848.1	1897.1	1960.1	1991.6
40°	1739.6	1757.1	1813.1	1876.1	1911.1
42.5°	1652.1	1666.1	1722.1	1792.1	1823.6
45°	1561.1	1575.1	1631.1	1701.1	1732.6
47.5°	1466.6	1484.1	1536.6	1603.1	1634.6
50°	1372.1	1386.1	1438.6	1501.6	1533.1
52.5°	1274.1	1288.1	1337.1	1400.1	1431.6
55°	1176.1	1193.6	1235.6	1295.1	1323.1
57.5°	1078.1	1095.6	1134.1	1190.1	1214.6
60°	980.1	994.1	1032.6	1081.6	1106.1
62.5°	875.1	885.6	924.1	973.1	994.1
65°	773.6	787.6	819.1	854.1	875.1
67.5°	679.0	686.0	714.0	752.6	766.6
70°	581.0	588.0	612.5	644.0	654.5
72.5°	483.0	493.5	511.0	539.0	553.0
75°	392.0	399.0	413.0	434.0	448.0
77.5°	304.5	308.0	318.5	336.0	346.5
80°	220.5	224.0	231.0	245.0	252.0
82.5°	147.0	150.5	154.0	161.0	168.0
85°	84.0	84.0	84.0	91.0	94.5
87.5°	31.5	28.0	28.0	28.0	28.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)