

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: P385161

Luminaire Tested: **22ID-70-L850-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385161  
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-70-L850-CNC  
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

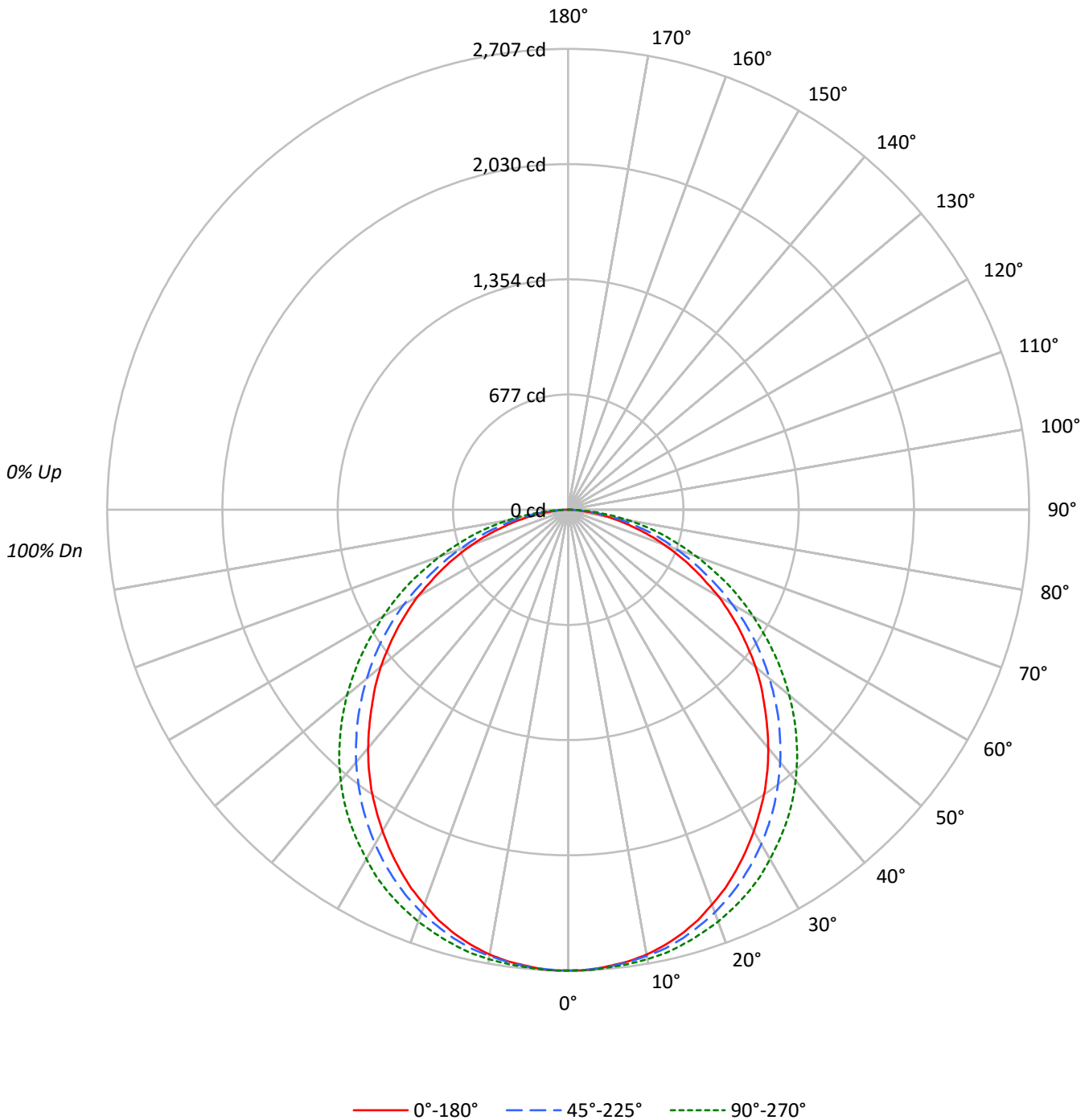
Lumens per Lamp: N/A  
Luminaire Lumens: 7516.5 lumens  
Efficiency: N/A  
Efficacy: 121.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 61.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	7285	7285	7285
5°	7272	7282	7292
10°	7252	7273	7325
15°	7183	7257	7352
20°	7068	7210	7373
25°	6935	7138	7385
30°	6774	7045	7363
35°	6614	6938	7349
40°	6420	6806	7299
45°	6205	6652	7215
50°	6016	6460	7095
55°	5764	6261	6937
60°	5489	5999	6754
65°	5118	5649	6567
70°	4714	5310	6294
75°	4179	4927	6031
80°	3526	4407	5582
85°	2575	3396	4449



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.3	3.4
10°-20°	735.2	9.8
20°-30°	1108.8	14.8
30°-40°	1323.7	17.6
40°-50°	1352.9	18.0
50°-60°	1199.7	16.0
60°-70°	894.3	11.9
70°-80°	510.9	6.8
80°-90°	134.8	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°	2100.3	27.9
0°-40°	3424.0	45.6
0°-60°	5976.6	79.5
0°-90°	7516.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7516.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2707	2707	2707	2707	2707	
5°	2692	2692	2696	2696	2700	256
15°	2578	2586	2605	2628	2639	726
25°	2336	2355	2404	2457	2487	1075
35°	2013	2040	2112	2195	2237	1258
45°	1630	1664	1748	1843	1896	1260
55°	1228	1251	1335	1429	1479	1098
65°	804	823	887	978	1031	797
75°	402	421	474	546	580	429
85°	83	87	110	136	144	104
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2707.2	2707.2	2707.2	2707.2	2707.2
2.5°	2707.2	2703.4	2703.4	2703.4	2707.2
5°	2692.0	2692.0	2695.8	2695.8	2699.6
7.5°	2676.8	2676.8	2680.6	2684.4	2692.0
10°	2654.1	2654.1	2661.7	2673.1	2680.6
12.5°	2620.0	2623.8	2638.9	2654.1	2665.5
15°	2578.3	2585.9	2604.8	2627.6	2638.9
17.5°	2529.0	2536.6	2563.1	2593.4	2608.6
20°	2468.3	2483.5	2517.6	2555.5	2574.5
22.5°	2407.6	2422.8	2464.5	2510.0	2532.8
25°	2335.6	2354.6	2403.9	2456.9	2487.3
27.5°	2259.8	2282.5	2339.4	2400.1	2434.2
30°	2180.2	2206.7	2267.4	2335.6	2369.7
32.5°	2096.7	2123.3	2191.5	2267.4	2305.3
35°	2013.3	2039.9	2111.9	2195.3	2237.0
37.5°	1922.3	1948.9	2024.7	2115.7	2161.2
40°	1827.5	1857.9	1937.5	2028.5	2077.8
42.5°	1729.0	1763.1	1842.7	1941.3	1990.6
45°	1630.4	1664.5	1747.9	1842.7	1895.8
47.5°	1535.6	1562.1	1645.5	1744.1	1797.2
50°	1437.0	1459.8	1543.2	1641.7	1694.8
52.5°	1330.8	1361.2	1440.8	1539.4	1588.7
55°	1228.5	1251.2	1334.6	1429.4	1478.7
57.5°	1122.3	1145.1	1224.7	1319.5	1365.0
60°	1019.9	1042.7	1114.7	1209.5	1255.0
62.5°	906.2	928.9	1001.0	1099.6	1145.1
65°	803.8	822.8	887.2	978.2	1031.3
67.5°	701.4	720.4	781.1	868.3	910.0
70°	599.1	614.2	674.9	754.5	800.0
72.5°	500.5	515.7	576.3	648.4	686.3
75°	401.9	420.9	473.9	546.0	580.1
77.5°	310.9	329.9	375.4	439.8	470.2
80°	227.5	242.7	284.4	333.7	360.2
82.5°	151.7	163.0	193.4	235.1	254.0
85°	83.4	87.2	110.0	136.5	144.1
87.5°	34.1	34.1	41.7	45.5	49.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)