

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: P383925

Luminaire Tested: **14ID-65-L850-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383925  
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-65-L850-CFR2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

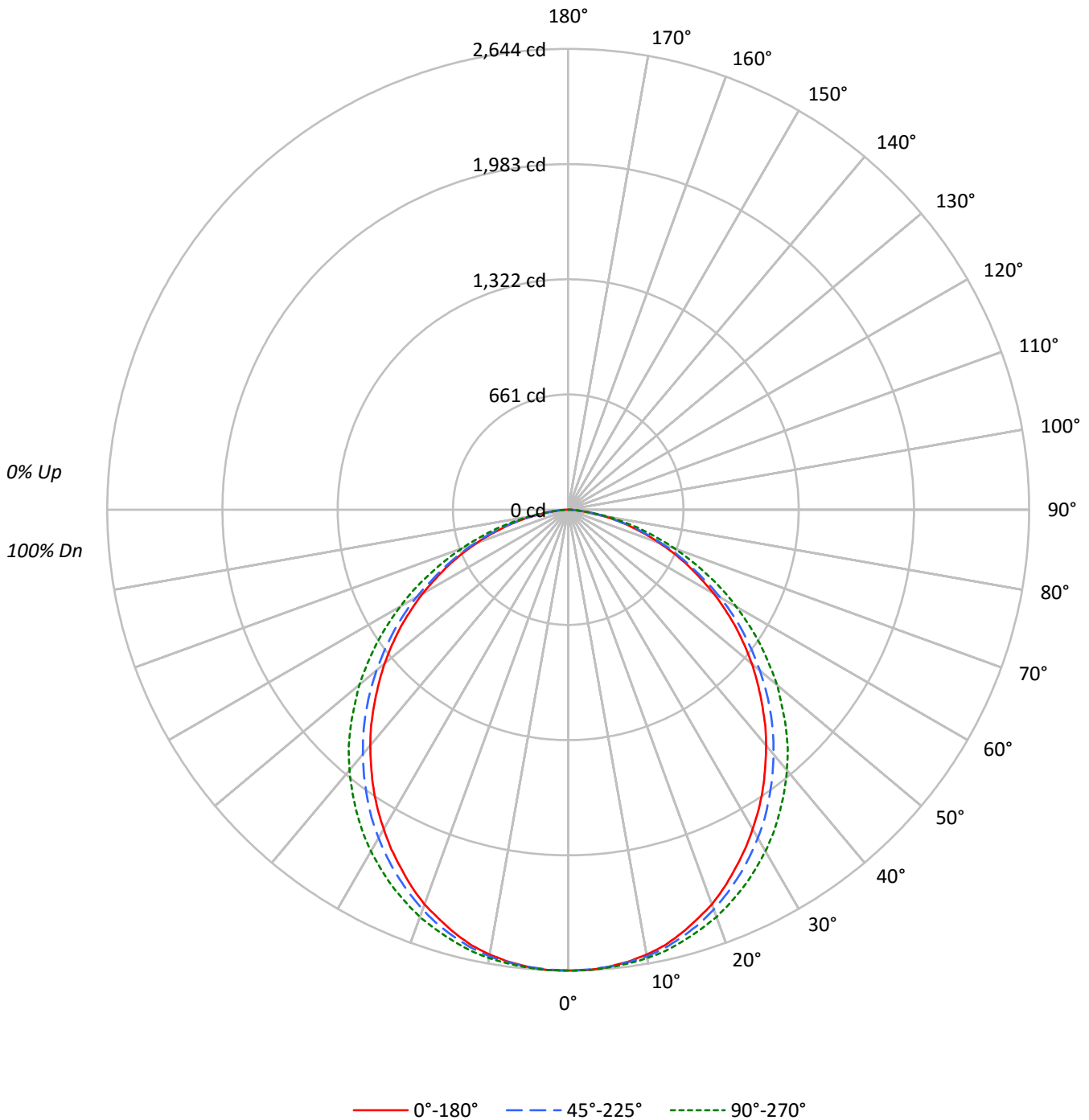
Lumens per Lamp: N/A  
Luminaire Lumens: 6979.6 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 58.4  
Input Voltage (V): NR  
Input Current (Ain): 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°	7115	7115	7115
5°	7114	7114	7123
10°	7081	7110	7139
15°	7005	7064	7132
20°	6900	6991	7121
25°	6739	6885	7082
30°	6575	6759	7031
35°	6399	6606	6951
40°	6204	6438	6855
45°	5976	6242	6721
50°	5754	6003	6545
55°	5497	5743	6301
60°	5195	5421	5985
65°	4832	4988	5589
70°	4375	4541	5118
75°	3818	3963	4473
80°	3088	3143	3522
85°	1837	2050	1729



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.3	3.6
10°-20°	715.4	10.2
20°-30°	1070.1	15.3
30°-40°	1264.3	18.1
40°-50°	1275.8	18.3
50°-60°	1107.9	15.9
60°-70°	794.5	11.4
70°-80°	413.9	5.9
80°-90°	87.4	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°	2035.8	29.2
0°-40°	3300.2	47.3
0°-60°	5683.9	81.4
0°-90°	6979.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6979.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2644	2644	2644	2644	2644	
5°	2634	2630	2634	2634	2637	250
15°	2515	2518	2536	2553	2560	709
25°	2270	2284	2319	2364	2385	1046
35°	1948	1962	2011	2084	2116	1218
45°	1570	1588	1640	1724	1766	1213
55°	1172	1182	1224	1304	1343	1046
65°	759	755	783	843	878	750
75°	367	364	381	409	430	392
85°	60	66	66	60	56	85
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2644.0	2644.0	2644.0	2644.0	2644.0
2.5°	2644.0	2640.5	2640.5	2640.5	2644.0
5°	2633.5	2630.0	2633.5	2633.5	2637.0
7.5°	2616.0	2612.5	2619.5	2623.0	2626.5
10°	2591.5	2591.5	2602.0	2609.0	2612.5
12.5°	2560.0	2560.0	2574.0	2584.5	2591.5
15°	2514.6	2518.1	2535.5	2553.0	2560.0
17.5°	2462.1	2472.6	2493.6	2518.1	2525.1
20°	2409.6	2416.6	2441.1	2472.6	2486.6
22.5°	2343.2	2353.7	2381.7	2423.6	2437.6
25°	2269.8	2283.7	2318.7	2364.2	2385.2
27.5°	2196.3	2206.8	2248.8	2301.2	2325.7
30°	2115.9	2129.9	2175.3	2234.8	2262.8
32.5°	2035.4	2045.9	2098.4	2161.3	2192.8
35°	1948.0	1962.0	2011.0	2084.4	2115.9
37.5°	1857.1	1874.6	1923.5	2000.5	2035.4
40°	1766.1	1776.6	1832.6	1909.5	1951.5
42.5°	1671.7	1685.7	1738.2	1822.1	1864.1
45°	1570.3	1587.8	1640.2	1724.2	1766.1
47.5°	1472.4	1489.9	1538.8	1622.8	1661.2
50°	1374.4	1384.9	1433.9	1517.8	1563.3
52.5°	1273.0	1283.5	1329.0	1409.4	1451.4
55°	1171.6	1182.1	1224.1	1304.5	1343.0
57.5°	1066.7	1073.7	1115.6	1189.1	1227.6
60°	965.3	968.8	1007.2	1073.7	1112.1
62.5°	856.8	860.3	888.3	965.3	1000.2
65°	758.9	755.4	783.4	842.9	877.8
67.5°	657.5	657.5	682.0	734.4	762.4
70°	556.1	556.1	577.1	622.5	650.5
72.5°	461.6	461.6	479.1	514.1	535.1
75°	367.2	363.7	381.2	409.2	430.2
77.5°	279.8	279.8	286.8	311.3	325.2
80°	199.3	199.3	202.8	216.8	227.3
82.5°	125.9	125.9	125.9	132.9	136.4
85°	59.5	66.4	66.4	59.5	56.0
87.5°	28.0	28.0	24.5	24.5	24.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)