

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: P383805

Luminaire Tested: **22ID-55-L850-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383805  
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-L850-CFR1  
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

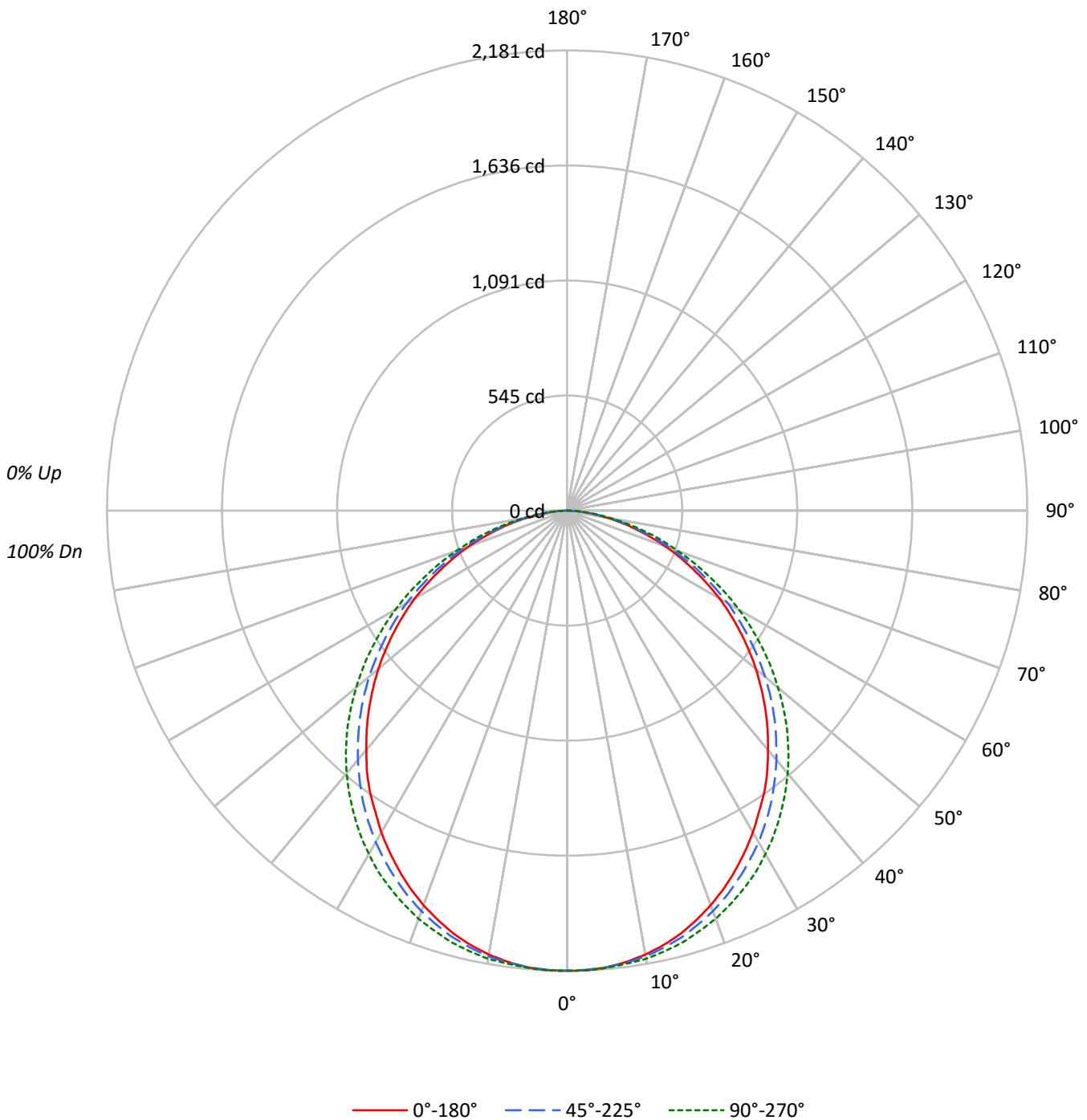
Lumens per Lamp: N/A  
Luminaire Lumens: 5923.1 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 46.3  
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	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°	5869	5869	5869
5°	5867	5867	5875
10°	5837	5862	5894
15°	5785	5835	5902
20°	5700	5785	5896
25°	5591	5715	5874
30°	5471	5638	5842
35°	5354	5540	5784
40°	5202	5421	5715
45°	5057	5284	5613
50°	4889	5126	5463
55°	4697	4934	5284
60°	4490	4730	5067
65°	4193	4439	4743
70°	3891	4102	4384
75°	3470	3656	3965
80°	2909	3047	3324
85°	2208	2208	2482



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.4	3.5
10°-20°	590.6	10.0
20°-30°	888.1	15.0
30°-40°	1056.5	17.8
40°-50°	1075.0	18.1
50°-60°	946.0	16.0
60°-70°	694.0	11.7
70°-80°	376.7	6.4
80°-90°	89.9	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°	1685.1	28.4
0°-40°	2741.6	46.3
0°-60°	4762.6	80.4
0°-90°	5923.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5923.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2181	2181	2181	2181	2181	
5°	2172	2169	2172	2172	2175	206
15°	2077	2080	2094	2106	2118	585
25°	1883	1895	1925	1958	1978	867
35°	1630	1642	1686	1737	1761	1018
45°	1329	1341	1388	1448	1475	1024
55°	1001	1016	1052	1102	1126	895
65°	658	670	697	727	745	654
75°	334	340	352	369	381	355
85°	72	72	72	78	80	86
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2180.9	2180.9	2180.9	2180.9	2180.9
2.5°	2180.9	2178.0	2178.0	2178.0	2180.9
5°	2172.0	2169.0	2172.0	2172.0	2175.0
7.5°	2157.1	2154.1	2160.1	2163.1	2166.0
10°	2136.2	2136.2	2145.2	2151.1	2157.1
12.5°	2109.4	2112.4	2121.3	2130.3	2139.2
15°	2076.7	2079.6	2094.5	2106.4	2118.4
17.5°	2034.9	2040.9	2058.8	2076.7	2088.6
20°	1990.3	1999.2	2020.0	2043.9	2058.8
22.5°	1939.6	1951.5	1975.4	2005.1	2020.0
25°	1883.0	1894.9	1924.7	1957.5	1978.3
27.5°	1823.4	1838.3	1871.1	1909.8	1933.6
30°	1760.8	1775.7	1814.5	1856.2	1880.0
32.5°	1692.3	1710.2	1751.9	1799.6	1823.4
35°	1629.7	1641.7	1686.4	1737.0	1760.8
37.5°	1558.2	1573.1	1614.8	1668.5	1695.3
40°	1480.8	1495.7	1543.3	1597.0	1626.8
42.5°	1406.3	1418.2	1465.9	1525.5	1552.3
45°	1328.8	1340.7	1388.4	1448.0	1474.8
47.5°	1248.4	1263.3	1308.0	1364.6	1391.4
50°	1167.9	1179.8	1224.5	1278.2	1305.0
52.5°	1084.5	1096.4	1138.1	1191.8	1218.6
55°	1001.1	1016.0	1051.7	1102.4	1126.2
57.5°	917.7	932.6	965.3	1013.0	1033.9
60°	834.2	846.2	878.9	920.6	941.5
62.5°	744.9	753.8	786.6	828.3	846.2
65°	658.5	670.4	697.2	727.0	744.9
67.5°	578.0	584.0	607.8	640.6	652.5
70°	494.6	500.5	521.4	548.2	557.2
72.5°	411.2	420.1	435.0	458.8	470.7
75°	333.7	339.7	351.6	369.4	381.4
77.5°	259.2	262.2	271.1	286.0	295.0
80°	187.7	190.7	196.6	208.6	214.5
82.5°	125.1	128.1	131.1	137.1	143.0
85°	71.5	71.5	71.5	77.5	80.4
87.5°	26.8	23.8	23.8	23.8	23.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)