

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: P383916

Luminaire Tested: **14ID-55-L840-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383916  
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-55-L840-CFR2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5681.7 lumens  
Efficiency: N/A  
Efficacy: 117.9 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

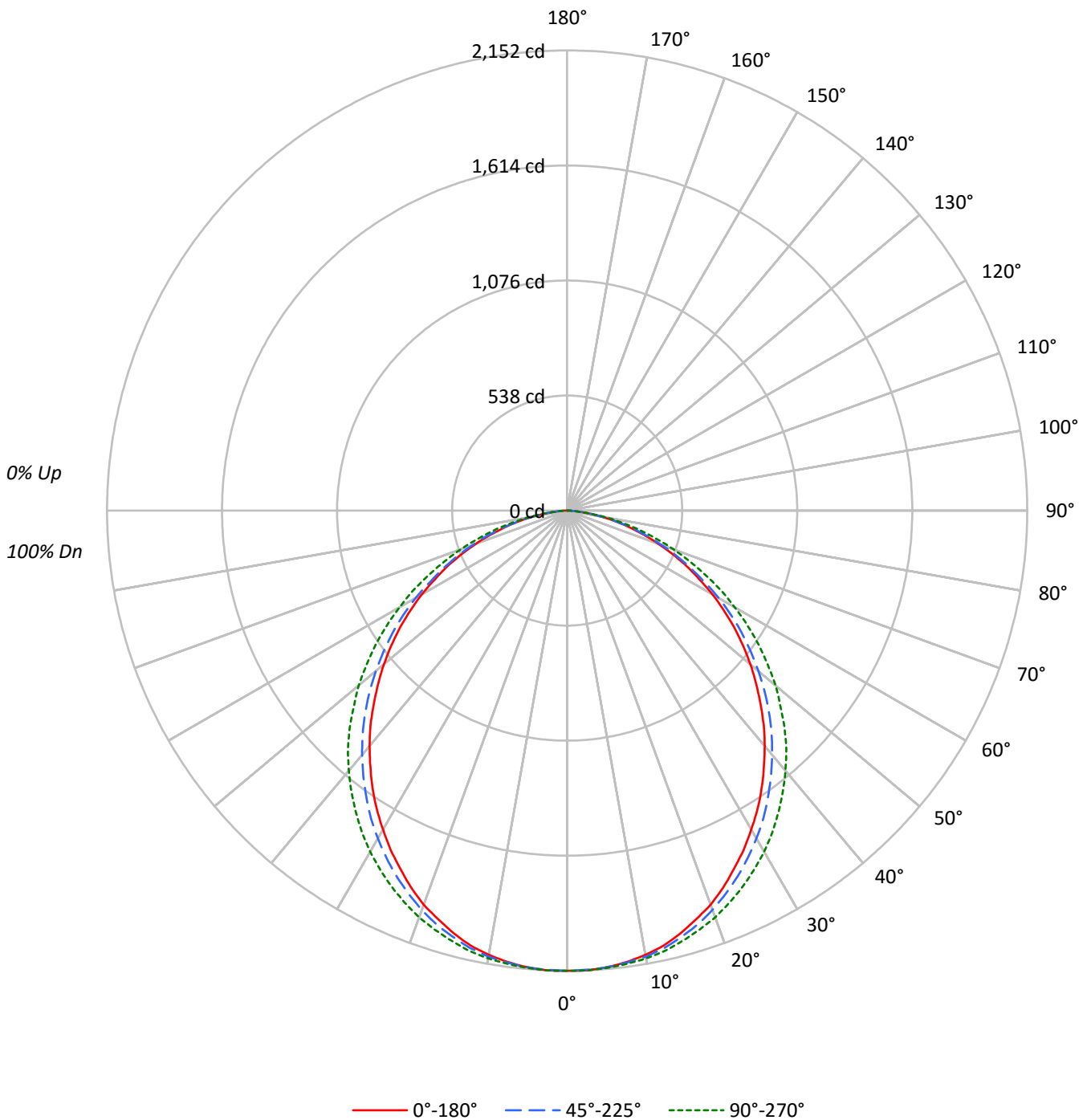
Input Watts (W): 48.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P383916

CATALOG NUMBER: 14ID-55-L840-CFR2

### Luminous Intensity Polar Plot





TEST NUMBER: P383916

CATALOG NUMBER: 14ID-55-L840-CFR2

**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°	5792	5792	5792
5°	5791	5791	5799
10°	5764	5788	5811
15°	5703	5750	5806
20°	5617	5691	5797
25°	5486	5604	5765
30°	5352	5502	5724
35°	5209	5378	5658
40°	5050	5240	5580
45°	4865	5081	5471
50°	4684	4887	5328
55°	4474	4675	5129
60°	4229	4413	4872
65°	3934	4060	4550
70°	3562	3696	4166
75°	3108	3226	3641
80°	2515	2559	2868
85°	1494	1670	1408



TEST NUMBER: P383916

CATALOG NUMBER: 14ID-55-L840-CFR2

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.8	3.6
10°-20°	582.4	10.2
20°-30°	871.1	15.3
30°-40°	1029.2	18.1
40°-50°	1038.6	18.3
50°-60°	901.9	15.9
60°-70°	646.7	11.4
70°-80°	336.9	5.9
80°-90°	71.1	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°	1657.3	29.2
0°-40°	2686.5	47.3
0°-60°	4626.9	81.4
0°-90°	5681.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5681.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2152	2152	2152	2152	2152	
5°	2144	2141	2144	2144	2147	204
15°	2047	2050	2064	2078	2084	577
25°	1848	1859	1888	1924	1942	851
35°	1586	1597	1637	1697	1722	991
45°	1278	1292	1335	1404	1438	987
55°	954	962	996	1062	1093	852
65°	618	615	638	686	715	611
75°	299	296	310	333	350	319
85°	48	54	54	48	46	69
90°	0	0	0	0	0	



TEST NUMBER: P383916

CATALOG NUMBER: 14ID-55-L840-CFR2

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2152.3	2152.3	2152.3	2152.3	2152.3
2.5°	2152.3	2149.5	2149.5	2149.5	2152.3
5°	2143.8	2140.9	2143.8	2143.8	2146.6
7.5°	2129.5	2126.7	2132.4	2135.2	2138.1
10°	2109.6	2109.6	2118.1	2123.8	2126.7
12.5°	2084.0	2084.0	2095.4	2103.9	2109.6
15°	2047.0	2049.8	2064.0	2078.3	2084.0
17.5°	2004.3	2012.8	2029.9	2049.8	2055.5
20°	1961.6	1967.3	1987.2	2012.8	2024.2
22.5°	1907.5	1916.0	1938.8	1972.9	1984.3
25°	1847.7	1859.1	1887.5	1924.5	1941.6
27.5°	1787.9	1796.4	1830.6	1873.3	1893.2
30°	1722.4	1733.8	1770.8	1819.2	1842.0
32.5°	1656.9	1665.5	1708.2	1759.4	1785.0
35°	1585.8	1597.1	1637.0	1696.8	1722.4
37.5°	1511.7	1526.0	1565.8	1628.5	1656.9
40°	1437.7	1446.3	1491.8	1554.4	1588.6
42.5°	1360.8	1372.2	1414.9	1483.3	1517.4
45°	1278.3	1292.5	1335.2	1403.6	1437.7
47.5°	1198.6	1212.8	1252.7	1321.0	1352.3
50°	1118.9	1127.4	1167.3	1235.6	1272.6
52.5°	1036.3	1044.8	1081.8	1147.3	1181.5
55°	953.7	962.3	996.4	1061.9	1093.2
57.5°	868.3	874.0	908.2	968.0	999.3
60°	785.8	788.6	819.9	874.0	905.3
62.5°	697.5	700.4	723.1	785.8	814.2
65°	617.8	614.9	637.7	686.1	714.6
67.5°	535.2	535.2	555.2	597.9	620.6
70°	452.7	452.7	469.7	506.8	529.5
72.5°	375.8	375.8	390.0	418.5	435.6
75°	298.9	296.1	310.3	333.1	350.2
77.5°	227.8	227.8	233.5	253.4	264.8
80°	162.3	162.3	165.1	176.5	185.1
82.5°	102.5	102.5	102.5	108.2	111.0
85°	48.4	54.1	54.1	48.4	45.6
87.5°	22.8	22.8	19.9	19.9	19.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)