

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: P383972

Luminaire Tested: **22ID-55-L840-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383972  
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: 22ID-55-L840-CFR2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5772.0 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

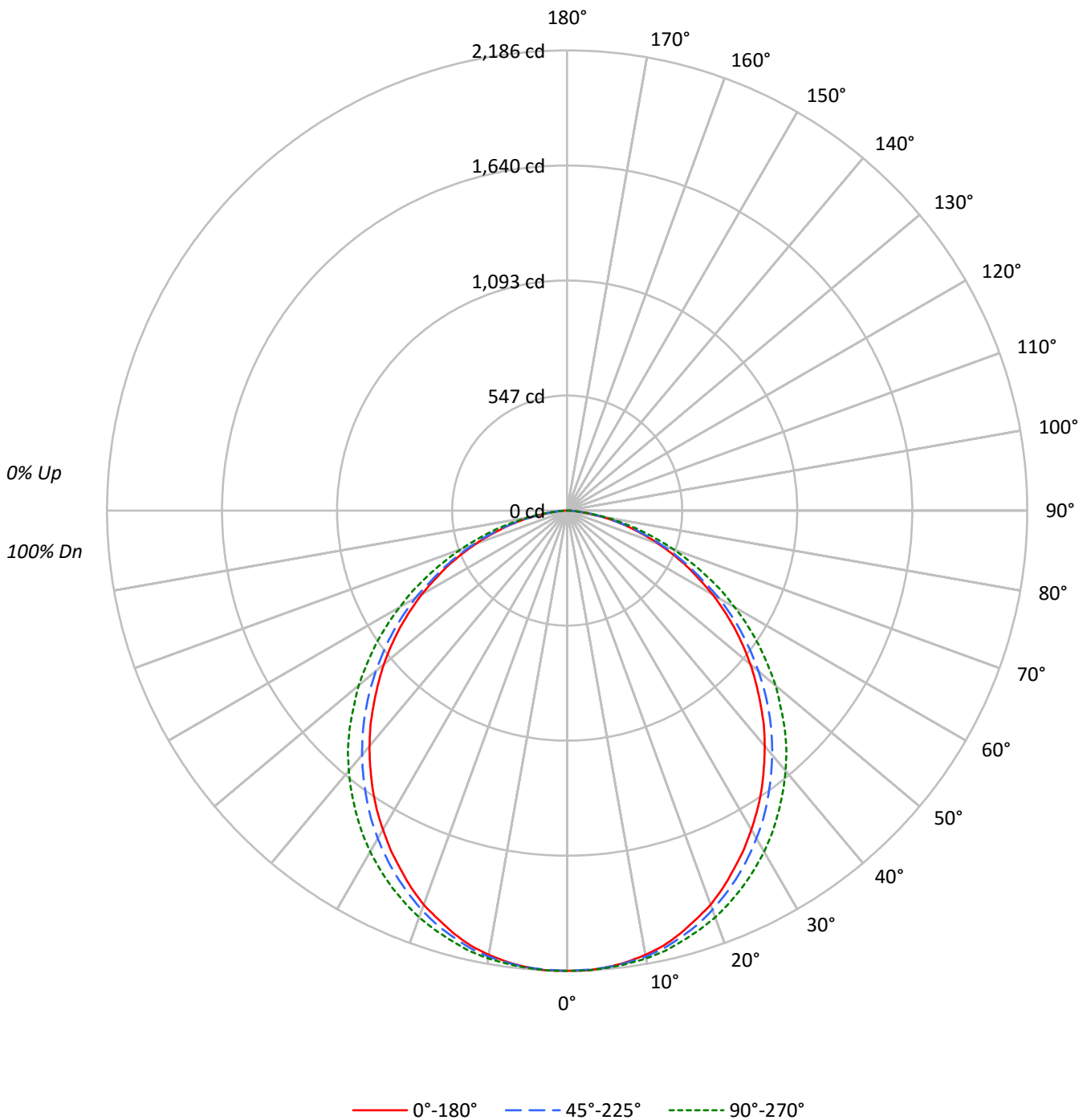
Input Watts (W): 46.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	5884	5884	5884
5°	5883	5883	5891
10°	5856	5880	5904
15°	5793	5842	5898
20°	5706	5781	5889
25°	5573	5693	5857
30°	5437	5590	5815
35°	5292	5463	5748
40°	5131	5324	5669
45°	4942	5162	5558
50°	4758	4964	5412
55°	4546	4749	5210
60°	4296	4483	4950
65°	3996	4125	4622
70°	3618	3755	4233
75°	3158	3278	3698
80°	2555	2599	2913
85°	1519	1698	1430



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.0	3.6
10°-20°	591.6	10.2
20°-30°	885.0	15.3
30°-40°	1045.6	18.1
40°-50°	1055.1	18.3
50°-60°	916.2	15.9
60°-70°	657.0	11.4
70°-80°	342.3	5.9
80°-90°	72.2	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°	1683.6	29.2
0°-40°	2729.2	47.3
0°-60°	4700.5	81.4
0°-90°	5772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5772.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2186	2186	2186	2186	2186	
5°	2178	2175	2178	2178	2181	207
15°	2080	2082	2097	2111	2117	586
25°	1877	1889	1918	1955	1972	865
35°	1611	1622	1663	1724	1750	1007
45°	1299	1313	1356	1426	1461	1003
55°	969	978	1012	1079	1111	865
65°	628	625	648	697	726	620
75°	304	301	315	338	356	324
85°	49	55	55	49	46	70
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2186.5	2186.5	2186.5	2186.5	2186.5
2.5°	2186.5	2183.6	2183.6	2183.6	2186.5
5°	2177.8	2174.9	2177.8	2177.8	2180.7
7.5°	2163.4	2160.5	2166.3	2169.2	2172.0
10°	2143.1	2143.1	2151.8	2157.6	2160.5
12.5°	2117.1	2117.1	2128.7	2137.3	2143.1
15°	2079.5	2082.4	2096.9	2111.3	2117.1
17.5°	2036.1	2044.8	2062.1	2082.4	2088.2
20°	1992.7	1998.5	2018.8	2044.8	2056.4
22.5°	1937.8	1946.5	1969.6	2004.3	2015.9
25°	1877.0	1888.6	1917.5	1955.1	1972.5
27.5°	1816.3	1825.0	1859.7	1903.1	1923.3
30°	1749.8	1761.4	1799.0	1848.1	1871.3
32.5°	1683.3	1691.9	1735.3	1787.4	1813.4
35°	1611.0	1622.5	1663.0	1723.8	1749.8
37.5°	1535.8	1550.2	1590.7	1654.3	1683.3
40°	1460.6	1469.2	1515.5	1579.1	1613.9
42.5°	1382.5	1394.0	1437.4	1506.8	1541.5
45°	1298.6	1313.1	1356.4	1425.9	1460.6
47.5°	1217.6	1232.1	1272.6	1342.0	1373.8
50°	1136.6	1145.3	1185.8	1255.2	1292.8
52.5°	1052.8	1061.4	1099.0	1165.6	1200.3
55°	968.9	977.6	1012.3	1078.8	1110.6
57.5°	882.1	887.9	922.6	983.4	1015.2
60°	798.2	801.1	833.0	887.9	919.7
62.5°	708.6	711.5	734.6	798.2	827.2
65°	627.6	624.7	647.9	697.0	725.9
67.5°	543.7	543.7	564.0	607.4	630.5
70°	459.9	459.9	477.2	514.8	538.0
72.5°	381.8	381.8	396.2	425.2	442.5
75°	303.7	300.8	315.3	338.4	355.7
77.5°	231.4	231.4	237.2	257.4	269.0
80°	164.9	164.9	167.7	179.3	188.0
82.5°	104.1	104.1	104.1	109.9	112.8
85°	49.2	55.0	55.0	49.2	46.3
87.5°	23.1	23.1	20.2	20.2	20.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)