

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: P383975

Luminaire Tested: **22ID-60-L835-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383975  
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-60-L835-CFR2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

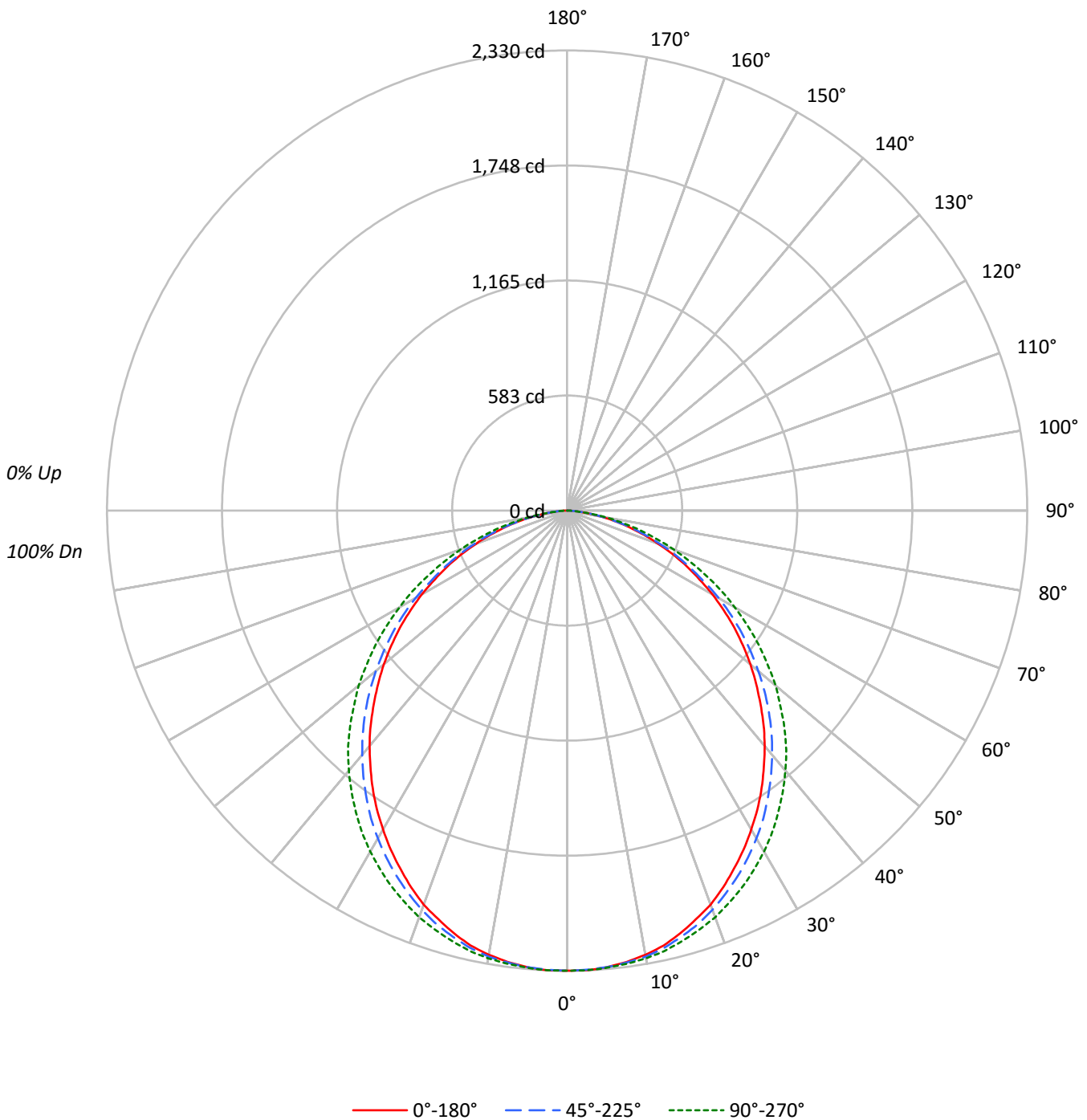
Lumens per Lamp: N/A  
Luminaire Lumens: 6150.1 lumens  
Efficiency: N/A  
Efficacy: 120.8 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 50.9  
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	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°	6269	6269	6269
5°	6268	6268	6277
10°	6240	6265	6290
15°	6173	6224	6284
20°	6080	6160	6275
25°	5938	6066	6240
30°	5793	5956	6195
35°	5639	5821	6125
40°	5467	5673	6041
45°	5266	5500	5922
50°	5070	5290	5767
55°	4844	5060	5552
60°	4577	4776	5274
65°	4258	4395	4925
70°	3855	4001	4510
75°	3365	3492	3941
80°	2723	2769	3104
85°	1618	1809	1522



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.6	3.6
10°-20°	630.4	10.2
20°-30°	942.9	15.3
30°-40°	1114.1	18.1
40°-50°	1124.2	18.3
50°-60°	976.3	15.9
60°-70°	700.0	11.4
70°-80°	364.7	5.9
80°-90°	77.0	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°	1793.9	29.2
0°-40°	2907.9	47.3
0°-60°	5008.4	81.4
0°-90°	6150.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6150.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2330	2330	2330	2330	2330	
5°	2320	2317	2320	2320	2324	220
15°	2216	2219	2234	2250	2256	624
25°	2000	2012	2043	2083	2102	922
35°	1716	1729	1772	1837	1864	1073
45°	1384	1399	1445	1519	1556	1068
55°	1032	1042	1079	1150	1183	922
65°	669	666	690	743	774	661
75°	324	320	336	361	379	345
85°	52	59	59	52	49	75
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2329.7	2329.7	2329.7	2329.7	2329.7
2.5°	2329.7	2326.7	2326.7	2326.7	2329.7
5°	2320.5	2317.4	2320.5	2320.5	2323.6
7.5°	2305.1	2302.0	2308.2	2311.2	2314.3
10°	2283.5	2283.5	2292.8	2298.9	2302.0
12.5°	2255.8	2255.8	2268.1	2277.4	2283.5
15°	2215.7	2218.8	2234.2	2249.6	2255.8
17.5°	2169.5	2178.7	2197.2	2218.8	2225.0
20°	2123.3	2129.4	2151.0	2178.7	2191.1
22.5°	2064.7	2074.0	2098.6	2135.6	2147.9
25°	2000.0	2012.3	2043.1	2083.2	2101.7
27.5°	1935.3	1944.5	1981.5	2027.7	2049.3
30°	1864.4	1876.7	1916.8	1969.2	1993.8
32.5°	1793.5	1802.8	1849.0	1904.5	1932.2
35°	1716.5	1728.8	1772.0	1836.7	1864.4
37.5°	1636.4	1651.8	1694.9	1762.7	1793.5
40°	1556.2	1565.5	1614.8	1682.6	1719.6
42.5°	1473.0	1485.4	1531.6	1605.5	1642.5
45°	1383.7	1399.1	1445.3	1519.3	1556.2
47.5°	1297.4	1312.8	1355.9	1429.9	1463.8
50°	1211.1	1220.3	1263.5	1337.4	1377.5
52.5°	1121.7	1131.0	1171.0	1241.9	1278.9
55°	1032.4	1041.6	1078.6	1149.5	1183.4
57.5°	939.9	946.1	983.1	1047.8	1081.7
60°	850.5	853.6	887.5	946.1	980.0
62.5°	755.0	758.1	782.7	850.5	881.4
65°	668.7	665.6	690.3	742.7	773.5
67.5°	579.4	579.4	600.9	647.1	671.8
70°	490.0	490.0	508.5	548.5	573.2
72.5°	406.8	406.8	422.2	453.0	471.5
75°	323.6	320.5	335.9	360.6	379.0
77.5°	246.5	246.5	252.7	274.3	286.6
80°	175.7	175.7	178.7	191.1	200.3
82.5°	110.9	110.9	110.9	117.1	120.2
85°	52.4	58.6	58.6	52.4	49.3
87.5°	24.7	24.7	21.6	21.6	21.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)