

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: P383982

Luminaire Tested: **22ID-70-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383982
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-70-L830-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

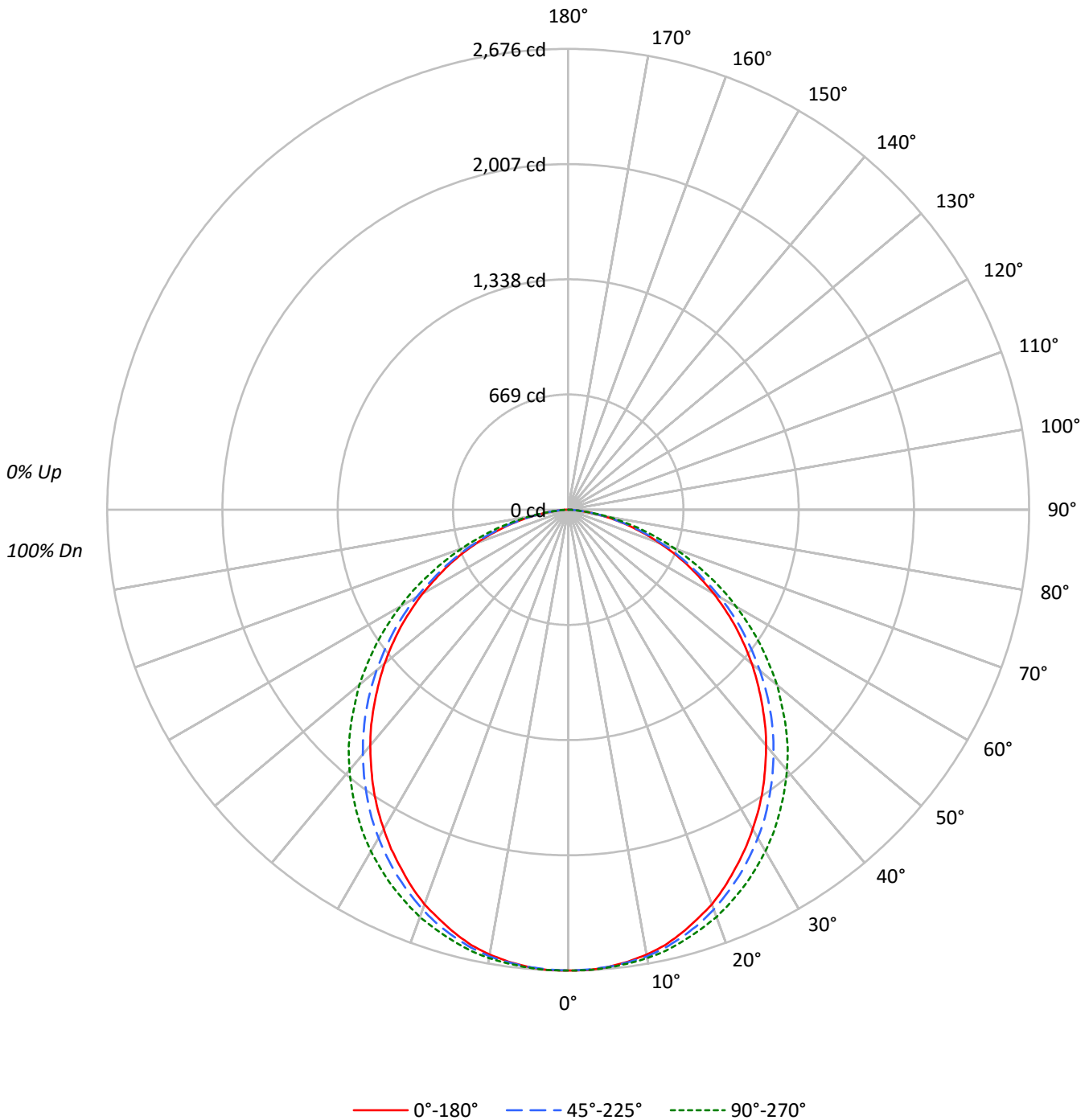
Lumens per Lamp: N/A
Luminaire Lumens: 7064.0 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 61.1
Input Voltage (V): NR
Input Current (A_{in}): 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°	7201	7201	7201
5°	7200	7200	7209
10°	7167	7196	7225
15°	7090	7149	7218
20°	6984	7075	7207
25°	6821	6968	7168
30°	6654	6841	7116
35°	6477	6686	7035
40°	6279	6515	6938
45°	6048	6318	6803
50°	5824	6075	6624
55°	5563	5812	6377
60°	5258	5486	6058
65°	4891	5049	5657
70°	4428	4595	5180
75°	3865	4011	4527
80°	3127	3181	3566
85°	1859	2078	1748



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.3	3.6
10°-20°	724.0	10.2
20°-30°	1083.1	15.3
30°-40°	1279.6	18.1
40°-50°	1291.2	18.3
50°-60°	1121.3	15.9
60°-70°	804.1	11.4
70°-80°	418.9	5.9
80°-90°	88.4	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°	2060.5	29.2
0°-40°	3340.1	47.3
0°-60°	5752.6	81.4
0°-90°	7064.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7064.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2676	2676	2676	2676	2676	
5°	2665	2662	2665	2665	2669	253
15°	2545	2548	2566	2584	2591	717
25°	2297	2311	2347	2393	2414	1058
35°	1972	1986	2035	2110	2142	1232
45°	1589	1607	1660	1745	1788	1227
55°	1186	1196	1239	1320	1359	1059
65°	768	765	793	853	888	759
75°	372	368	386	414	435	396
85°	60	67	67	60	57	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2675.9	2675.9	2675.9	2675.9	2675.9
2.5°	2675.9	2672.4	2672.4	2672.4	2675.9
5°	2665.3	2661.8	2665.3	2665.3	2668.9
7.5°	2647.6	2644.1	2651.2	2654.7	2658.2
10°	2622.8	2622.8	2633.5	2640.5	2644.1
12.5°	2591.0	2591.0	2605.1	2615.8	2622.8
15°	2545.0	2548.5	2566.2	2583.9	2591.0
17.5°	2491.9	2502.5	2523.7	2548.5	2555.6
20°	2438.8	2445.9	2470.6	2502.5	2516.7
22.5°	2371.5	2382.1	2410.5	2452.9	2467.1
25°	2297.2	2311.4	2346.8	2392.8	2414.0
27.5°	2222.9	2233.5	2276.0	2329.1	2353.8
30°	2141.5	2155.6	2201.6	2261.8	2290.1
32.5°	2060.0	2070.7	2123.8	2187.5	2219.3
35°	1971.6	1985.7	2035.3	2109.6	2141.5
37.5°	1879.5	1897.2	1946.8	2024.7	2060.0
40°	1787.5	1798.1	1854.7	1932.6	1975.1
42.5°	1691.9	1706.1	1759.2	1844.1	1886.6
45°	1589.3	1607.0	1660.1	1745.0	1787.5
47.5°	1490.2	1507.9	1557.4	1642.4	1681.3
50°	1391.1	1401.7	1451.2	1536.2	1582.2
52.5°	1288.4	1299.0	1345.0	1426.5	1468.9
55°	1185.8	1196.4	1238.9	1320.3	1359.2
57.5°	1079.6	1086.7	1129.1	1203.5	1242.4
60°	976.9	980.5	1019.4	1086.7	1125.6
62.5°	867.2	870.7	899.1	976.9	1012.3
65°	768.1	764.6	792.9	853.0	888.4
67.5°	665.4	665.4	690.2	743.3	771.6
70°	562.8	562.8	584.0	630.0	658.4
72.5°	467.2	467.2	484.9	520.3	541.6
75°	371.7	368.1	385.8	414.1	435.4
77.5°	283.2	283.2	290.2	315.0	329.2
80°	201.8	201.8	205.3	219.5	230.1
82.5°	127.4	127.4	127.4	134.5	138.0
85°	60.2	67.3	67.3	60.2	56.6
87.5°	28.3	28.3	24.8	24.8	24.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)