

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: P383930

Luminaire Tested: **14ID-75-L830-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383930  
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-75-L830-CFR2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

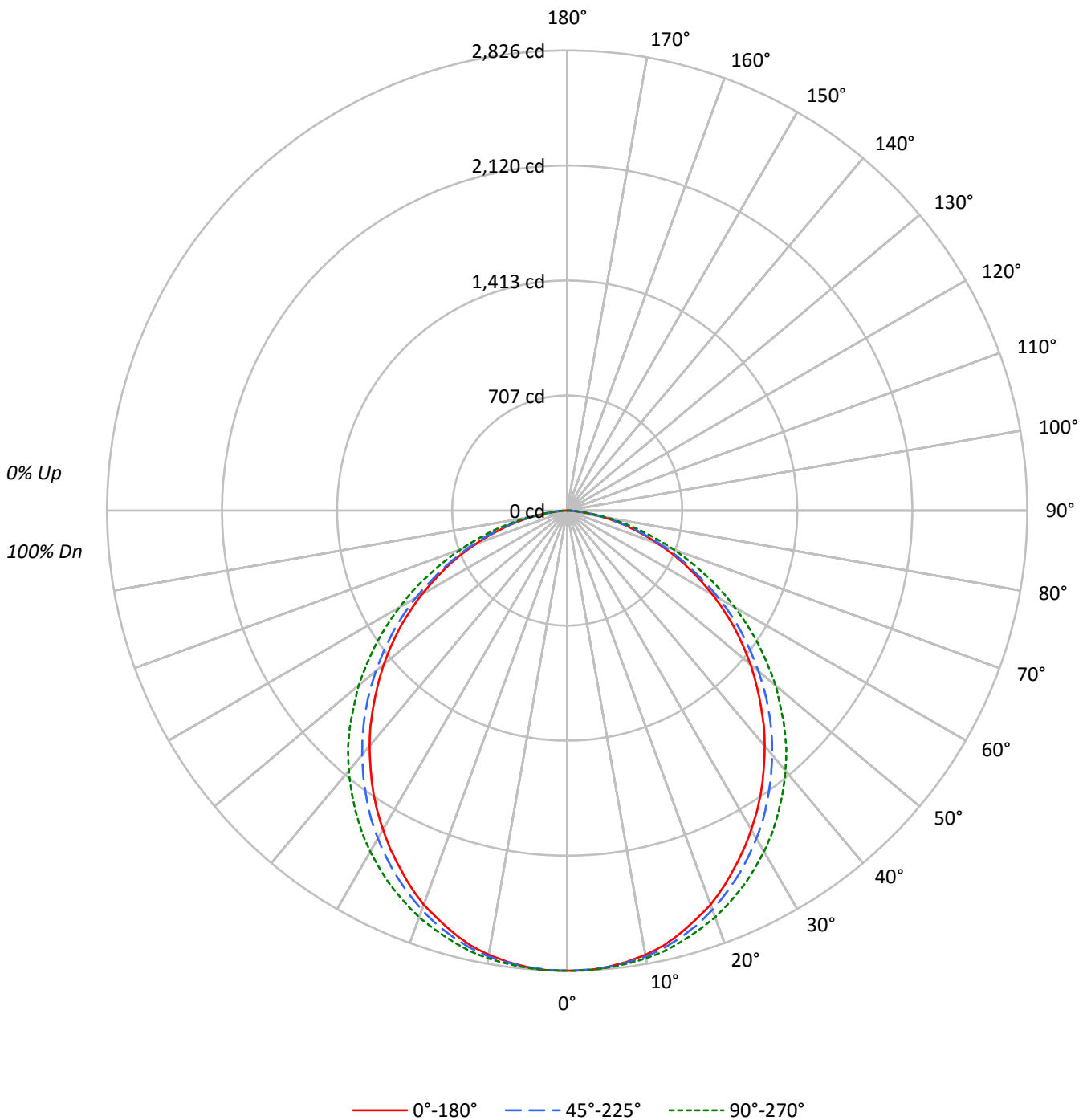
Lumens per Lamp: N/A  
Luminaire Lumens: 7460.0 lumens  
Efficiency: N/A  
Efficacy: 105.2 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 70.9  
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°	7604	7604	7604
5°	7603	7603	7613
10°	7569	7599	7630
15°	7487	7550	7623
20°	7375	7472	7611
25°	7203	7358	7569
30°	7027	7225	7515
35°	6840	7061	7429
40°	6631	6881	7327
45°	6387	6672	7184
50°	6150	6416	6995
55°	5875	6138	6734
60°	5553	5794	6398
65°	5165	5331	5974
70°	4676	4853	5471
75°	4081	4236	4781
80°	3302	3360	3766
85°	1961	2192	1846



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	267.5	3.6
10°-20°	764.6	10.2
20°-30°	1143.8	15.3
30°-40°	1351.3	18.1
40°-50°	1363.6	18.3
50°-60°	1184.2	15.9
60°-70°	849.2	11.4
70°-80°	442.4	5.9
80°-90°	93.4	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°	2176.0	29.2
0°-40°	3527.3	47.3
0°-60°	6075.1	81.4
0°-90°	7460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7460.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2826	2826	2826	2826	2826	
5°	2815	2811	2815	2815	2818	267
15°	2688	2691	2710	2729	2736	757
25°	2426	2441	2478	2527	2549	1118
35°	2082	2097	2149	2228	2262	1302
45°	1678	1697	1753	1843	1888	1296
55°	1252	1264	1308	1394	1435	1118
65°	811	807	837	901	938	802
75°	392	389	407	437	460	419
85°	64	71	71	64	60	91
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2825.9	2825.9	2825.9	2825.9	2825.9
2.5°	2825.9	2822.2	2822.2	2822.2	2825.9
5°	2814.7	2811.0	2814.7	2814.7	2818.5
7.5°	2796.0	2792.3	2799.8	2803.5	2807.3
10°	2769.9	2769.9	2781.1	2788.6	2792.3
12.5°	2736.2	2736.2	2751.2	2762.4	2769.9
15°	2687.6	2691.4	2710.1	2728.8	2736.2
17.5°	2631.6	2642.8	2665.2	2691.4	2698.9
20°	2575.5	2583.0	2609.1	2642.8	2657.7
22.5°	2504.5	2515.7	2545.6	2590.5	2605.4
25°	2426.0	2440.9	2478.3	2526.9	2549.3
27.5°	2347.5	2358.7	2403.5	2459.6	2485.8
30°	2261.5	2276.5	2325.1	2388.6	2418.5
32.5°	2175.5	2186.7	2242.8	2310.1	2343.7
35°	2082.1	2097.0	2149.4	2227.9	2261.5
37.5°	1984.9	2003.6	2055.9	2138.1	2175.5
40°	1887.7	1898.9	1958.7	2041.0	2085.8
42.5°	1786.8	1801.7	1857.8	1947.5	1992.4
45°	1678.4	1697.1	1753.1	1842.8	1887.7
47.5°	1573.7	1592.4	1644.7	1734.4	1775.6
50°	1469.0	1480.3	1532.6	1622.3	1670.9
52.5°	1360.6	1371.9	1420.4	1506.4	1551.3
55°	1252.2	1263.5	1308.3	1394.3	1435.4
57.5°	1140.1	1147.6	1192.4	1270.9	1312.0
60°	1031.7	1035.4	1076.6	1147.6	1188.7
62.5°	915.8	919.6	949.5	1031.7	1069.1
65°	811.2	807.4	837.3	900.9	938.2
67.5°	702.7	702.7	728.9	785.0	814.9
70°	594.3	594.3	616.8	665.4	695.3
72.5°	493.4	493.4	512.1	549.5	571.9
75°	392.5	388.8	407.4	437.3	459.8
77.5°	299.0	299.0	306.5	332.7	347.6
80°	213.1	213.1	216.8	231.8	243.0
82.5°	134.6	134.6	134.6	142.0	145.8
85°	63.5	71.0	71.0	63.5	59.8
87.5°	29.9	29.9	26.2	26.2	26.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)