

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: P383762

Luminaire Tested: **14ID-75-L830-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383762  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-75-L830-CFR1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

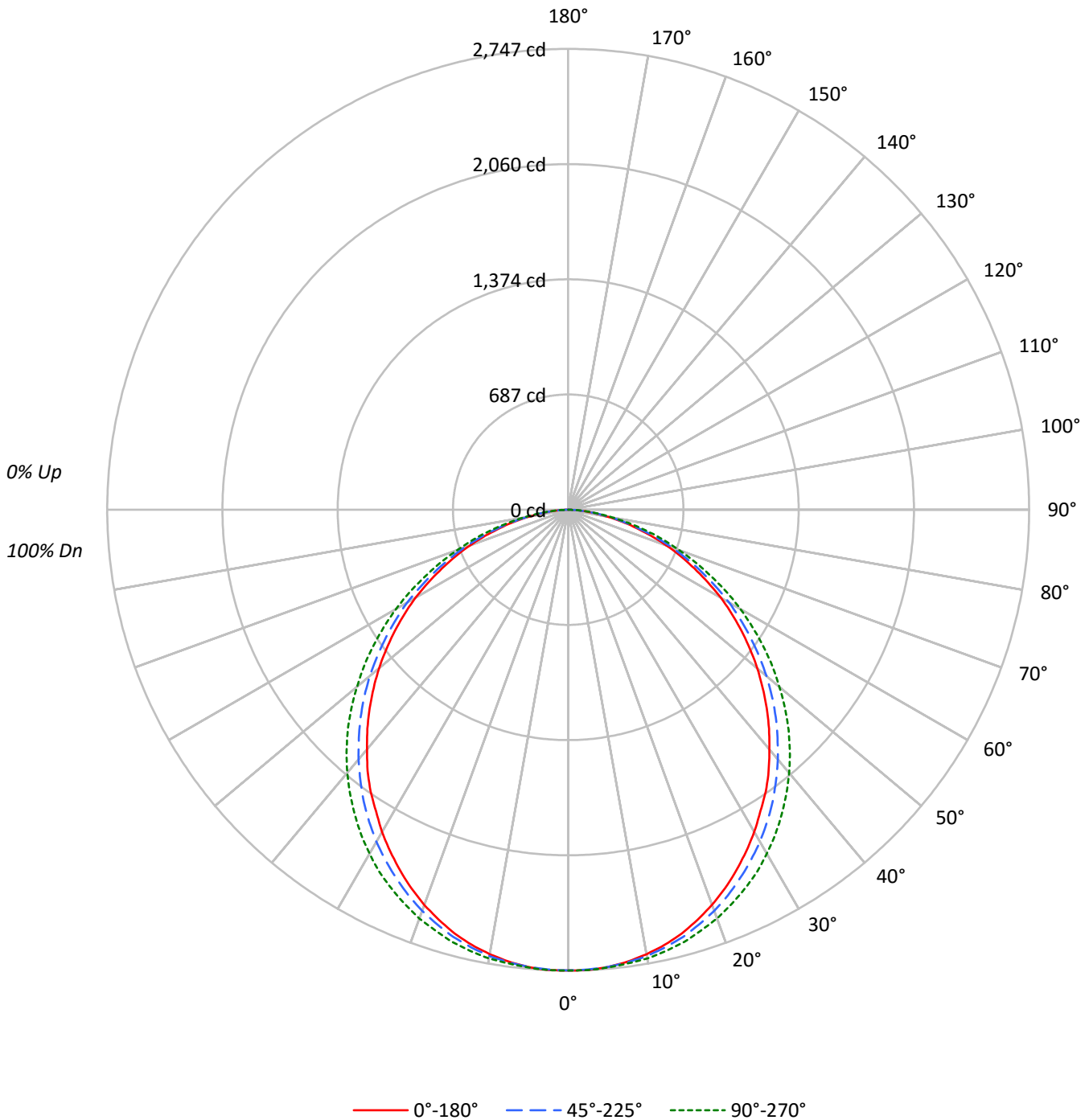
Lumens per Lamp: N/A  
Luminaire Lumens: 7460.0 lumens  
Efficiency: N/A  
Efficacy: 105.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	7392	7392	7392
5°	7390	7390	7400
10°	7352	7383	7424
15°	7287	7349	7433
20°	7178	7286	7426
25°	7042	7198	7398
30°	6891	7101	7357
35°	6743	6977	7285
40°	6551	6828	7197
45°	6369	6655	7069
50°	6158	6457	6881
55°	5915	6214	6655
60°	5655	5958	6382
65°	5280	5591	5973
70°	4901	5167	5521
75°	4370	4604	4994
80°	3663	3839	4187
85°	2782	2782	3128



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.0	3.5
10°-20°	743.9	10.0
20°-30°	1118.5	15.0
30°-40°	1330.6	17.8
40°-50°	1353.9	18.1
50°-60°	1191.5	16.0
60°-70°	874.0	11.7
70°-80°	474.4	6.4
80°-90°	113.2	1.5
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°	2122.4	28.4
0°-40°	3452.9	46.3
0°-60°	5998.3	80.4
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°	2747	2747	2747	2747	2747	
5°	2736	2732	2736	2736	2739	260
15°	2616	2619	2638	2653	2668	737
25°	2372	2387	2424	2465	2492	1092
35°	2053	2068	2124	2188	2218	1282
45°	1674	1689	1749	1824	1858	1290
55°	1261	1280	1325	1388	1418	1128
65°	829	844	878	916	938	824
75°	420	428	443	465	480	447
85°	90	90	90	98	101	109
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2746.8	2746.8	2746.8	2746.8	2746.8
2.5°	2746.8	2743.1	2743.1	2743.1	2746.8
5°	2735.6	2731.8	2735.6	2735.6	2739.3
7.5°	2716.8	2713.1	2720.6	2724.3	2728.1
10°	2690.5	2690.5	2701.8	2709.3	2716.8
12.5°	2656.8	2660.5	2671.8	2683.0	2694.3
15°	2615.5	2619.2	2638.0	2653.0	2668.0
17.5°	2563.0	2570.5	2593.0	2615.5	2630.5
20°	2506.7	2517.9	2544.2	2574.2	2593.0
22.5°	2442.9	2457.9	2487.9	2525.4	2544.2
25°	2371.6	2386.6	2424.1	2465.4	2491.7
27.5°	2296.5	2315.3	2356.6	2405.4	2435.4
30°	2217.7	2236.5	2285.3	2337.8	2367.8
32.5°	2131.4	2153.9	2206.5	2266.5	2296.5
35°	2052.6	2067.6	2123.9	2187.7	2217.7
37.5°	1962.6	1981.3	2033.9	2101.4	2135.2
40°	1865.0	1883.8	1943.8	2011.3	2048.9
42.5°	1771.2	1786.2	1846.2	1921.3	1955.1
45°	1673.6	1688.6	1748.7	1823.7	1857.5
47.5°	1572.3	1591.1	1647.3	1718.6	1752.4
50°	1471.0	1486.0	1542.3	1609.8	1643.6
52.5°	1365.9	1380.9	1433.5	1501.0	1534.8
55°	1260.8	1279.6	1324.6	1388.4	1418.4
57.5°	1155.8	1174.5	1215.8	1275.9	1302.1
60°	1050.7	1065.7	1107.0	1159.5	1185.8
62.5°	938.1	949.4	990.7	1043.2	1065.7
65°	829.3	844.3	878.1	915.6	938.1
67.5°	728.0	735.5	765.5	806.8	821.8
70°	622.9	630.4	656.7	690.5	701.7
72.5°	517.8	529.1	547.9	577.9	592.9
75°	420.3	427.8	442.8	465.3	480.3
77.5°	326.5	330.2	341.5	360.2	371.5
80°	236.4	240.2	247.7	262.7	270.2
82.5°	157.6	161.4	165.1	172.6	180.1
85°	90.1	90.1	90.1	97.6	101.3
87.5°	33.8	30.0	30.0	30.0	30.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)