

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: P383932

Luminaire Tested: **14ID-75-L840-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383932  
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-L840-CFR2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

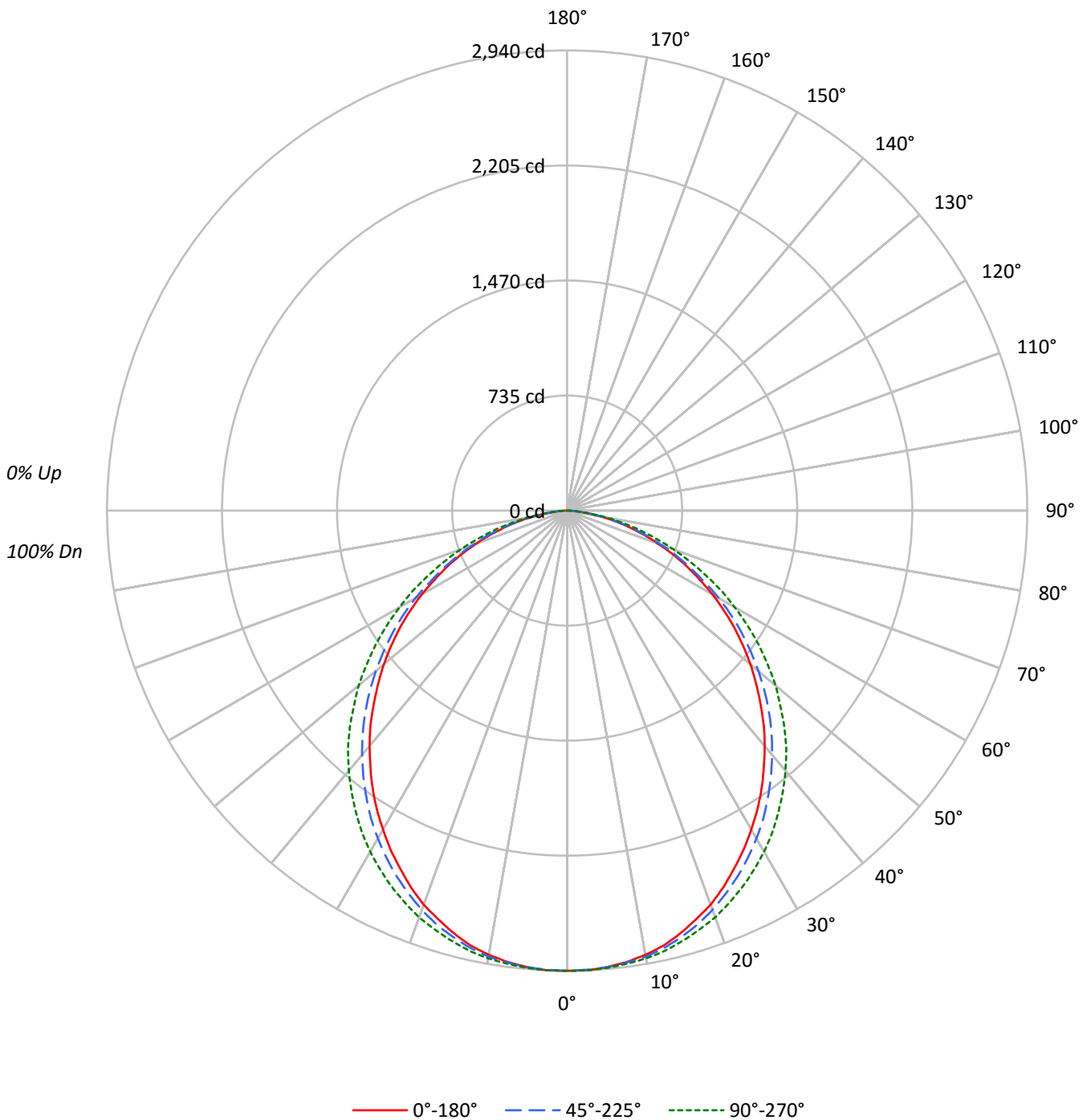
Lumens per Lamp: N/A  
Luminaire Lumens: 7761.4 lumens  
Efficiency: N/A  
Efficacy: 109.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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°	7912	7912	7912
5°	7911	7911	7921
10°	7874	7906	7938
15°	7790	7855	7931
20°	7674	7774	7918
25°	7494	7656	7875
30°	7311	7516	7819
35°	7116	7346	7729
40°	6899	7159	7623
45°	6645	6941	7474
50°	6399	6675	7278
55°	6112	6386	7006
60°	5777	6028	6656
65°	5373	5547	6216
70°	4866	5049	5692
75°	4246	4407	4974
80°	3436	3496	3918
85°	2041	2282	1920



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	278.3	3.6
10°-20°	795.5	10.2
20°-30°	1190.0	15.3
30°-40°	1405.9	18.1
40°-50°	1418.7	18.3
50°-60°	1232.0	15.9
60°-70°	883.5	11.4
70°-80°	460.3	5.9
80°-90°	97.1	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°	2263.9	29.2
0°-40°	3669.8	47.3
0°-60°	6320.6	81.4
0°-90°	7761.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7761.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2940	2940	2940	2940	2940	
5°	2928	2925	2928	2928	2932	278
15°	2796	2800	2820	2839	2847	788
25°	2524	2540	2578	2629	2652	1163
35°	2166	2182	2236	2318	2353	1354
45°	1746	1766	1824	1917	1964	1348
55°	1303	1314	1361	1451	1493	1164
65°	844	840	871	937	976	834
75°	408	404	424	455	478	436
85°	66	74	74	66	62	95
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2940.1	2940.1	2940.1	2940.1	2940.1
2.5°	2940.1	2936.2	2936.2	2936.2	2940.1
5°	2928.5	2924.6	2928.5	2928.5	2932.3
7.5°	2909.0	2905.1	2912.9	2916.8	2920.7
10°	2881.8	2881.8	2893.5	2901.2	2905.1
12.5°	2846.8	2846.8	2862.3	2874.0	2881.8
15°	2796.2	2800.1	2819.6	2839.0	2846.8
17.5°	2737.9	2749.6	2772.9	2800.1	2807.9
20°	2679.6	2687.3	2714.6	2749.6	2765.1
22.5°	2605.7	2617.3	2648.4	2695.1	2710.7
25°	2524.0	2539.5	2578.4	2629.0	2652.3
27.5°	2442.3	2454.0	2500.7	2559.0	2586.2
30°	2352.9	2368.4	2419.0	2485.1	2516.2
32.5°	2263.4	2275.1	2333.4	2403.4	2438.4
35°	2166.2	2181.8	2236.2	2317.9	2352.9
37.5°	2065.1	2084.5	2139.0	2224.5	2263.4
40°	1964.0	1975.6	2037.9	2123.4	2170.1
42.5°	1859.0	1874.5	1932.9	2026.2	2072.9
45°	1746.2	1765.6	1824.0	1917.3	1964.0
47.5°	1637.3	1656.7	1711.2	1804.5	1847.3
50°	1528.4	1540.1	1594.5	1687.8	1738.4
52.5°	1415.6	1427.3	1477.8	1567.3	1614.0
55°	1302.8	1314.5	1361.2	1450.6	1493.4
57.5°	1186.2	1193.9	1240.6	1322.3	1365.1
60°	1073.4	1077.3	1120.0	1193.9	1236.7
62.5°	952.8	956.7	987.8	1073.4	1112.3
65°	843.9	840.0	871.1	937.3	976.2
67.5°	731.1	731.1	758.4	816.7	847.8
70°	618.4	618.4	641.7	692.3	723.4
72.5°	513.4	513.4	532.8	571.7	595.0
75°	408.4	404.5	423.9	455.0	478.4
77.5°	311.1	311.1	318.9	346.1	361.7
80°	221.7	221.7	225.6	241.1	252.8
82.5°	140.0	140.0	140.0	147.8	151.7
85°	66.1	73.9	73.9	66.1	62.2
87.5°	31.1	31.1	27.2	27.2	27.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)