

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: P384032

Luminaire Tested: **24ID-65-L840-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384032  
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: 24ID-65-L840-CFR2  
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

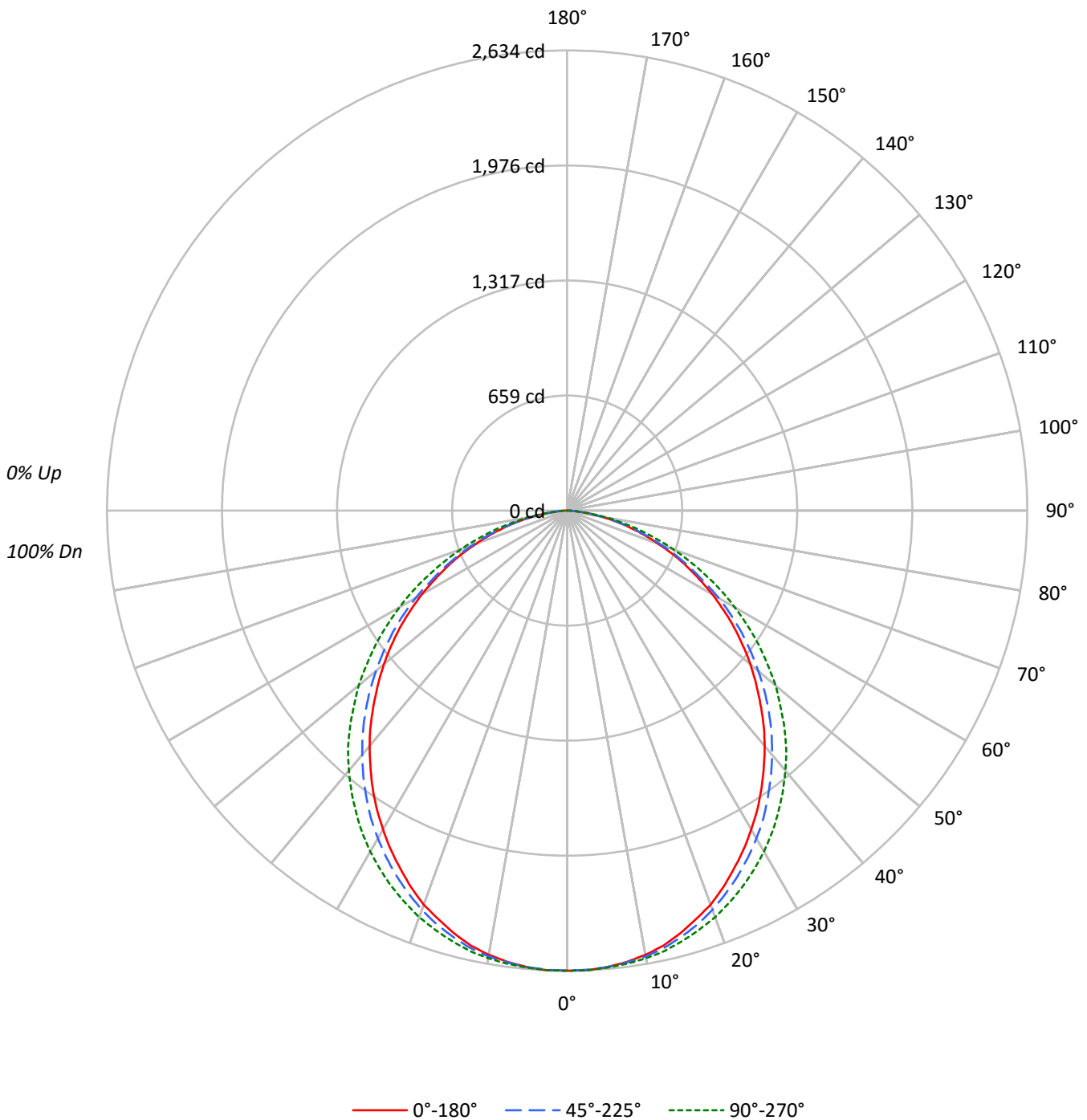
Lumens per Lamp: N/A  
Luminaire Lumens: 6952.0 lumens  
Efficiency: N/A  
Efficacy: 109.3 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 63.6  
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°	3543	3543	3543
5°	3543	3543	3547
10°	3527	3541	3555
15°	3489	3518	3552
20°	3437	3482	3546
25°	3356	3429	3527
30°	3274	3366	3502
35°	3187	3290	3462
40°	3090	3206	3414
45°	2976	3109	3347
50°	2866	2990	3259
55°	2738	2860	3138
60°	2587	2700	2981
65°	2407	2484	2784
70°	2179	2261	2549
75°	1902	1974	2228
80°	1539	1565	1754
85°	914	1022	860



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.3	3.6
10°-20°	712.6	10.2
20°-30°	1065.9	15.3
30°-40°	1259.3	18.1
40°-50°	1270.8	18.3
50°-60°	1103.5	15.9
60°-70°	791.3	11.4
70°-80°	412.2	5.9
80°-90°	87.0	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°	2027.8	29.2
0°-40°	3287.1	47.3
0°-60°	5661.4	81.4
0°-90°	6952.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6952.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2634	2634	2634	2634	2634	
5°	2623	2620	2623	2623	2626	249
15°	2505	2508	2526	2543	2550	706
25°	2261	2275	2310	2355	2376	1042
35°	1940	1954	2003	2076	2108	1213
45°	1564	1582	1634	1717	1759	1208
55°	1167	1177	1219	1299	1338	1042
65°	756	752	780	840	874	747
75°	366	362	380	408	428	390
85°	59	66	66	59	56	85
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2633.5	2633.5	2633.5	2633.5	2633.5
2.5°	2633.5	2630.0	2630.0	2630.0	2633.5
5°	2623.1	2619.6	2623.1	2623.1	2626.5
7.5°	2605.6	2602.2	2609.1	2612.6	2616.1
10°	2581.3	2581.3	2591.7	2598.7	2602.2
12.5°	2549.9	2549.9	2563.8	2574.3	2581.3
15°	2504.6	2508.1	2525.5	2542.9	2549.9
17.5°	2452.4	2462.8	2483.7	2508.1	2515.1
20°	2400.1	2407.1	2431.5	2462.8	2476.8
22.5°	2333.9	2344.4	2372.2	2414.1	2428.0
25°	2260.8	2274.7	2309.5	2354.8	2375.7
27.5°	2187.6	2198.1	2239.9	2292.1	2316.5
30°	2107.5	2121.4	2166.7	2225.9	2253.8
32.5°	2027.4	2037.8	2090.1	2152.8	2184.1
35°	1940.3	1954.2	2003.0	2076.2	2107.5
37.5°	1849.7	1867.1	1915.9	1992.5	2027.4
40°	1759.2	1769.6	1825.3	1902.0	1943.8
42.5°	1665.1	1679.0	1731.3	1814.9	1856.7
45°	1564.1	1581.5	1633.8	1717.4	1759.2
47.5°	1466.5	1484.0	1532.7	1616.3	1654.7
50°	1369.0	1379.5	1428.2	1511.8	1557.1
52.5°	1268.0	1278.4	1323.7	1403.8	1445.6
55°	1167.0	1177.4	1219.2	1299.3	1337.7
57.5°	1062.5	1069.4	1111.2	1184.4	1222.7
60°	961.4	964.9	1003.2	1069.4	1107.7
62.5°	853.5	856.9	884.8	961.4	996.3
65°	755.9	752.4	780.3	839.5	874.4
67.5°	654.9	654.9	679.3	731.5	759.4
70°	553.9	553.9	574.8	620.1	647.9
72.5°	459.8	459.8	477.2	512.1	533.0
75°	365.8	362.3	379.7	407.6	428.5
77.5°	278.7	278.7	285.6	310.0	324.0
80°	198.6	198.6	202.0	216.0	226.4
82.5°	125.4	125.4	125.4	132.4	135.9
85°	59.2	66.2	66.2	59.2	55.7
87.5°	27.9	27.9	24.4	24.4	24.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)