

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: P384030

Luminaire Tested: **24ID-65-L830-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384030  
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-L830-CFR2  
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

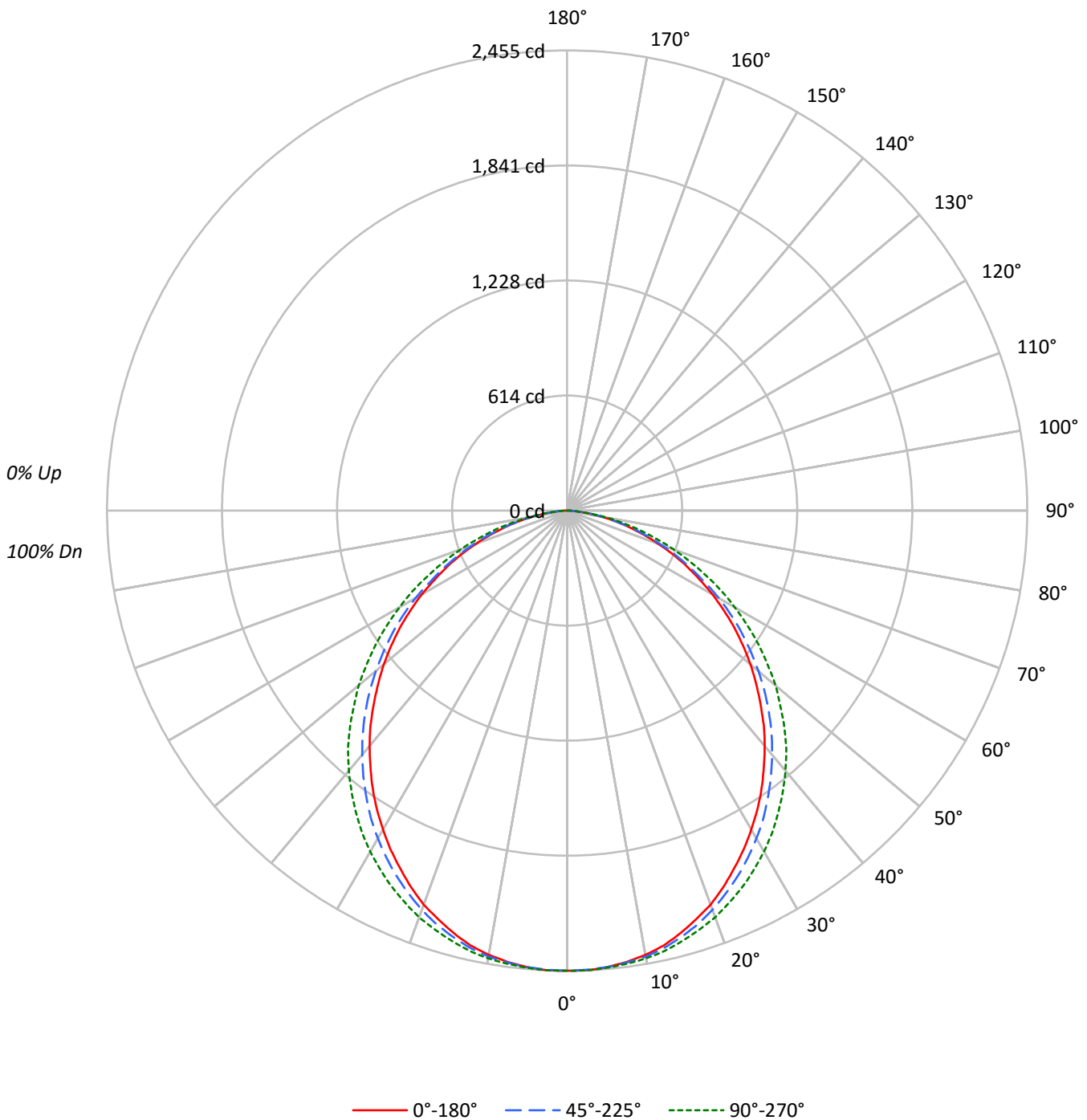
Lumens per Lamp: N/A  
Luminaire Lumens: 6480.5 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 60.5  
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



TEST NUMBER: P384030  
CATALOG NUMBER: 24ID-65-L830-CFR2

### Luminous Intensity Polar Plot





TEST NUMBER: P384030

CATALOG NUMBER: 24ID-65-L830-CFR2

**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°	3303	3303	3303
5°	3303	3303	3307
10°	3287	3301	3314
15°	3252	3279	3311
20°	3203	3245	3306
25°	3129	3196	3288
30°	3052	3138	3264
35°	2971	3067	3227
40°	2880	2989	3182
45°	2774	2898	3120
50°	2671	2787	3038
55°	2552	2666	2925
60°	2412	2517	2779
65°	2243	2316	2595
70°	2031	2108	2376
75°	1773	1840	2076
80°	1434	1459	1636
85°	852	953	803



TEST NUMBER: P384030

CATALOG NUMBER: 24ID-65-L830-CFR2

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	232.4	3.6
10°-20°	664.2	10.2
20°-30°	993.6	15.3
30°-40°	1173.9	18.1
40°-50°	1184.6	18.3
50°-60°	1028.7	15.9
60°-70°	737.7	11.4
70°-80°	384.3	5.9
80°-90°	81.1	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°	1890.3	29.2
0°-40°	3064.2	47.3
0°-60°	5277.5	81.4
0°-90°	6480.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6480.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2455	2455	2455	2455	2455	
5°	2445	2442	2445	2445	2448	232
15°	2335	2338	2354	2370	2377	658
25°	2107	2120	2153	2195	2215	971
35°	1809	1822	1867	1935	1965	1131
45°	1458	1474	1523	1601	1640	1126
55°	1088	1098	1136	1211	1247	972
65°	705	701	727	783	815	697
75°	341	338	354	380	399	364
85°	55	62	62	55	52	79
90°	0	0	0	0	0	



TEST NUMBER: P384030

CATALOG NUMBER: 24ID-65-L830-CFR2

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2454.9	2454.9	2454.9	2454.9	2454.9
2.5°	2454.9	2451.7	2451.7	2451.7	2454.9
5°	2445.2	2441.9	2445.2	2445.2	2448.4
7.5°	2428.9	2425.7	2432.2	2435.4	2438.7
10°	2406.2	2406.2	2415.9	2422.4	2425.7
12.5°	2377.0	2377.0	2390.0	2399.7	2406.2
15°	2334.8	2338.0	2354.2	2370.5	2377.0
17.5°	2286.0	2295.8	2315.3	2338.0	2344.5
20°	2237.3	2243.8	2266.6	2295.8	2308.8
22.5°	2175.6	2185.4	2211.4	2250.3	2263.3
25°	2107.4	2120.4	2152.9	2195.1	2214.6
27.5°	2039.3	2049.0	2088.0	2136.7	2159.4
30°	1964.6	1977.6	2019.8	2075.0	2101.0
32.5°	1889.9	1899.6	1948.3	2006.8	2036.0
35°	1808.7	1821.7	1867.2	1935.3	1964.6
37.5°	1724.3	1740.5	1786.0	1857.4	1889.9
40°	1639.8	1649.6	1701.5	1773.0	1811.9
42.5°	1552.2	1565.2	1613.9	1691.8	1730.8
45°	1458.0	1474.2	1522.9	1600.9	1639.8
47.5°	1367.1	1383.3	1428.8	1506.7	1542.4
50°	1276.2	1285.9	1331.4	1409.3	1451.5
52.5°	1182.0	1191.7	1233.9	1308.6	1347.6
55°	1087.8	1097.6	1136.5	1211.2	1246.9
57.5°	990.4	996.9	1035.9	1104.1	1139.8
60°	896.2	899.5	935.2	996.9	1032.6
62.5°	795.6	798.8	824.8	896.2	928.7
65°	704.6	701.4	727.4	782.6	815.1
67.5°	610.5	610.5	633.2	681.9	707.9
70°	516.3	516.3	535.8	578.0	604.0
72.5°	428.6	428.6	444.9	477.3	496.8
75°	341.0	337.7	353.9	379.9	399.4
77.5°	259.8	259.8	266.3	289.0	302.0
80°	185.1	185.1	188.3	201.3	211.1
82.5°	116.9	116.9	116.9	123.4	126.6
85°	55.2	61.7	61.7	55.2	52.0
87.5°	26.0	26.0	22.7	22.7	22.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)