

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: P383818

Luminaire Tested: **22ID-75-L830-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383818  
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: 22ID-75-L830-CFR1  
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

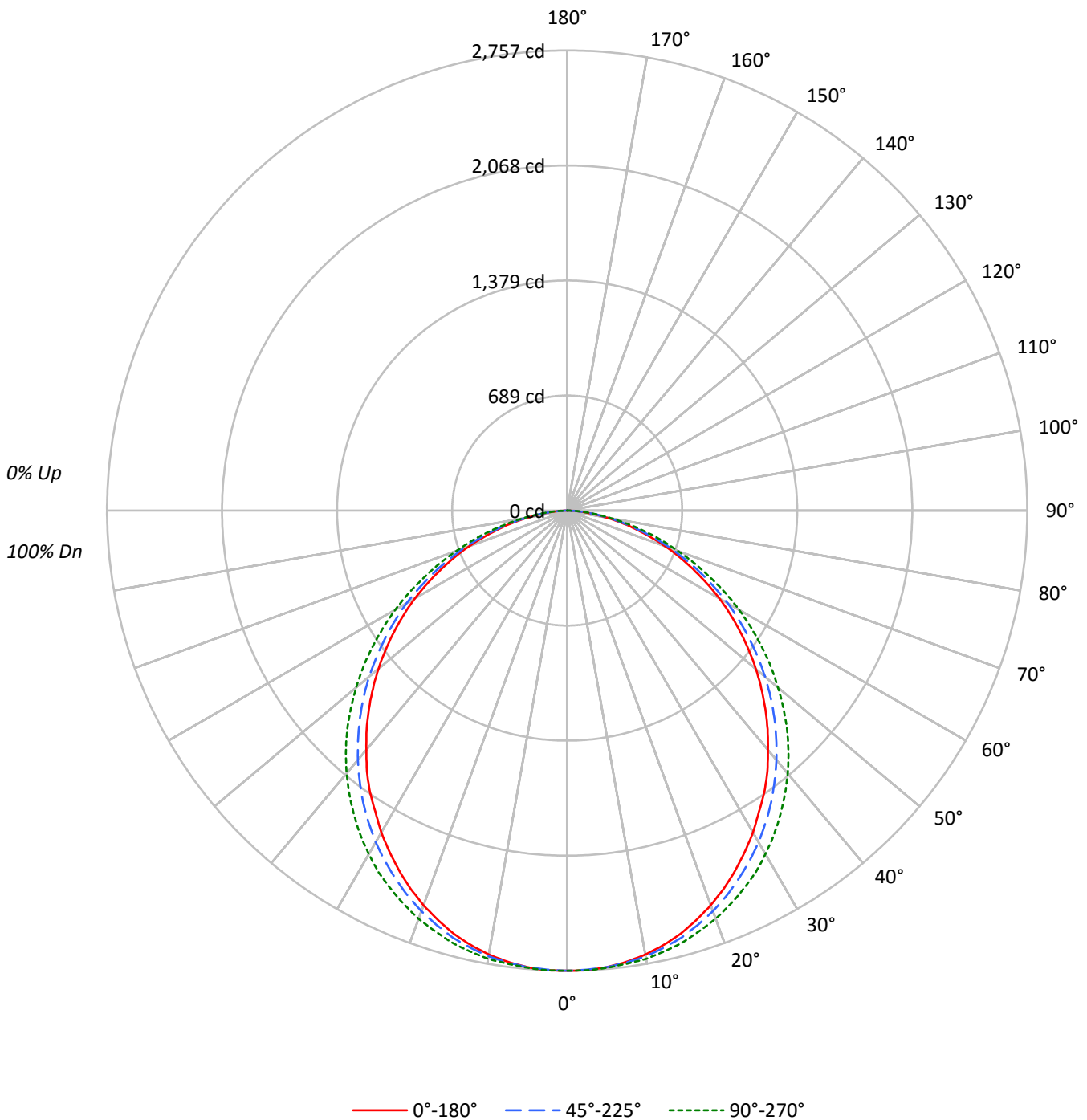
Lumens per Lamp: N/A  
Luminaire Lumens: 7487.9 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 65.8  
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°	7419	7419	7419
5°	7417	7417	7427
10°	7379	7410	7452
15°	7314	7377	7461
20°	7205	7313	7453
25°	7068	7225	7426
30°	6917	7127	7385
35°	6768	7003	7313
40°	6576	6854	7224
45°	6393	6680	7095
50°	6181	6481	6906
55°	5938	6238	6680
60°	5676	5980	6406
65°	5300	5612	5996
70°	4919	5186	5541
75°	4387	4622	5012
80°	3677	3852	4203
85°	2791	2791	3140



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	261.0	3.5
10°-20°	746.7	10.0
20°-30°	1122.7	15.0
30°-40°	1335.6	17.8
40°-50°	1358.9	18.1
50°-60°	1196.0	16.0
60°-70°	877.3	11.7
70°-80°	476.2	6.4
80°-90°	113.6	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°	2130.3	28.4
0°-40°	3465.9	46.3
0°-60°	6020.8	80.4
0°-90°	7487.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7487.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2757	2757	2757	2757	2757	
5°	2746	2742	2746	2746	2750	261
15°	2625	2629	2648	2663	2678	739
25°	2380	2396	2433	2475	2501	1096
35°	2060	2075	2132	2196	2226	1286
45°	1680	1695	1755	1830	1864	1295
55°	1266	1284	1330	1394	1424	1132
65°	832	848	881	919	942	827
75°	422	429	444	467	482	448
85°	90	90	90	98	102	109
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2757.1	2757.1	2757.1	2757.1	2757.1
2.5°	2757.1	2753.3	2753.3	2753.3	2757.1
5°	2745.8	2742.0	2745.8	2745.8	2749.6
7.5°	2727.0	2723.2	2730.7	2734.5	2738.3
10°	2700.6	2700.6	2711.9	2719.4	2727.0
12.5°	2666.7	2670.5	2681.8	2693.1	2704.4
15°	2625.3	2629.0	2647.9	2662.9	2678.0
17.5°	2572.5	2580.1	2602.7	2625.3	2640.3
20°	2516.0	2527.3	2553.7	2583.8	2602.7
22.5°	2452.0	2467.1	2497.2	2534.9	2553.7
25°	2380.5	2395.5	2433.2	2474.6	2501.0
27.5°	2305.1	2324.0	2365.4	2414.4	2444.5
30°	2226.0	2244.9	2293.8	2346.6	2376.7
32.5°	2139.4	2162.0	2214.7	2275.0	2305.1
35°	2060.3	2075.4	2131.9	2195.9	2226.0
37.5°	1969.9	1988.7	2041.5	2109.3	2143.2
40°	1872.0	1890.8	1951.1	2018.9	2056.5
42.5°	1777.8	1792.9	1853.1	1928.5	1962.4
45°	1679.9	1694.9	1755.2	1830.5	1864.4
47.5°	1578.2	1597.0	1653.5	1725.1	1759.0
50°	1476.5	1491.5	1548.0	1615.8	1649.7
52.5°	1371.0	1386.1	1438.8	1506.6	1540.5
55°	1265.6	1284.4	1329.6	1393.6	1423.8
57.5°	1160.1	1178.9	1220.4	1280.6	1307.0
60°	1054.6	1069.7	1111.1	1163.9	1190.2
62.5°	941.6	952.9	994.4	1047.1	1069.7
65°	832.4	847.5	881.4	919.0	941.6
67.5°	730.7	738.2	768.4	809.8	824.9
70°	625.2	632.8	659.1	693.0	704.3
72.5°	519.8	531.1	549.9	580.0	595.1
75°	421.9	429.4	444.5	467.1	482.1
77.5°	327.7	331.5	342.8	361.6	372.9
80°	237.3	241.1	248.6	263.7	271.2
82.5°	158.2	162.0	165.7	173.3	180.8
85°	90.4	90.4	90.4	97.9	101.7
87.5°	33.9	30.1	30.1	30.1	30.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)