

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: P383890

Luminaire Tested: **14ID-25-L830-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383890  
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-25-L830-CFR2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

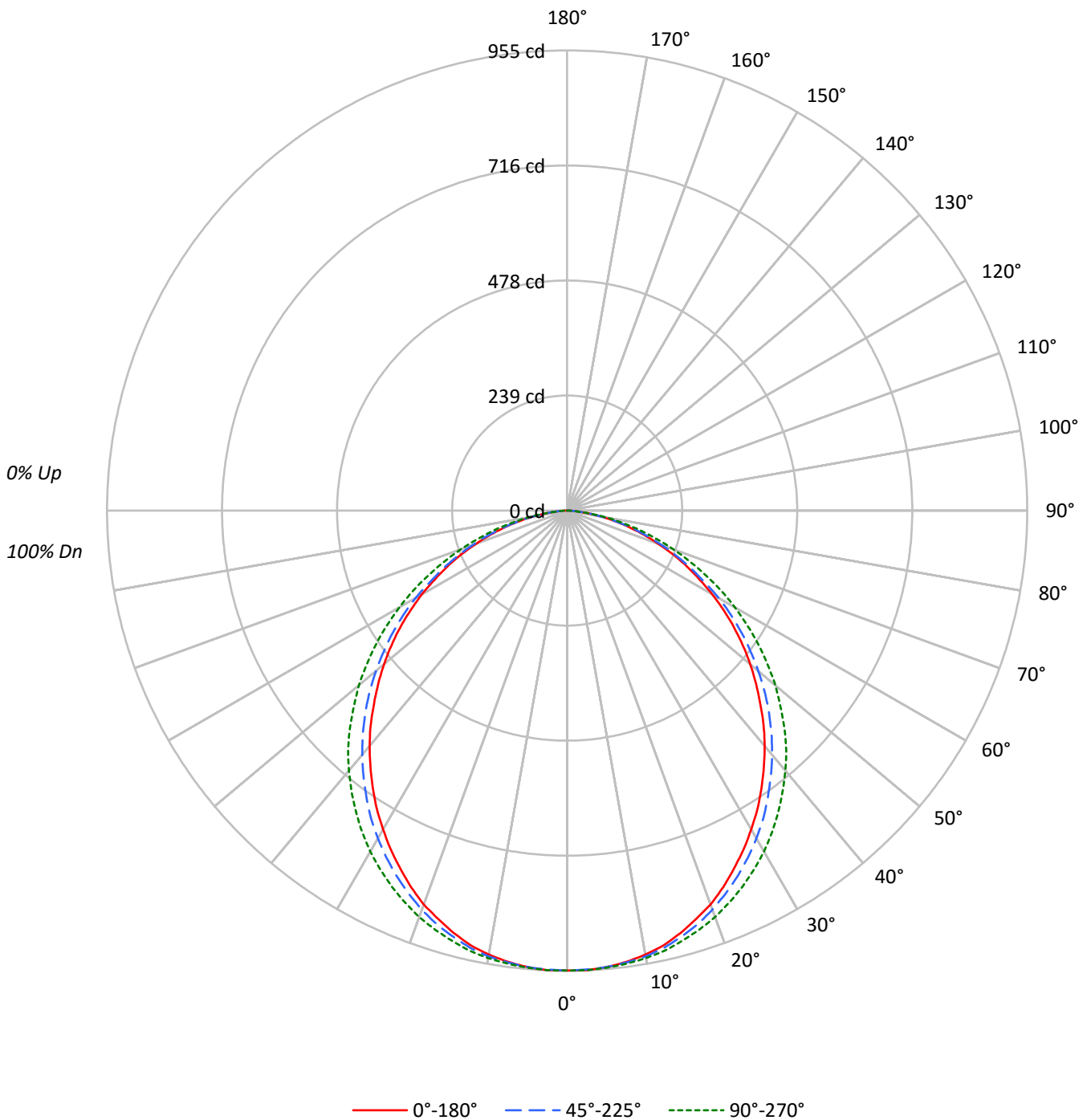
Lumens per Lamp: N/A  
Luminaire Lumens: 2520.0 lumens  
Efficiency: N/A  
Efficacy: 123.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): 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°	2569	2569	2569
5°	2568	2568	2572
10°	2557	2567	2577
15°	2529	2550	2575
20°	2491	2524	2571
25°	2433	2486	2557
30°	2374	2440	2539
35°	2310	2385	2509
40°	2240	2324	2475
45°	2158	2254	2427
50°	2077	2167	2363
55°	1985	2073	2275
60°	1876	1957	2161
65°	1745	1801	2018
70°	1580	1639	1848
75°	1379	1431	1615
80°	1116	1134	1272
85°	664	741	624



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.4	3.6
10°-20°	258.3	10.2
20°-30°	386.4	15.3
30°-40°	456.5	18.1
40°-50°	460.6	18.3
50°-60°	400.0	15.9
60°-70°	286.8	11.4
70°-80°	149.4	5.9
80°-90°	31.5	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°	735.0	29.2
0°-40°	1191.5	47.3
0°-60°	2052.2	81.4
0°-90°	2520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2520.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	955	955	955	955	955	
5°	951	950	951	951	952	90
15°	908	909	916	922	924	256
25°	820	825	837	854	861	378
35°	703	708	726	753	764	440
45°	567	573	592	622	638	438
55°	423	427	442	471	485	378
65°	274	273	283	304	317	271
75°	133	131	138	148	155	141
85°	22	24	24	22	20	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	954.6	954.6	954.6	954.6	954.6
2.5°	954.6	953.3	953.3	953.3	954.6
5°	950.8	949.6	950.8	950.8	952.1
7.5°	944.5	943.2	945.8	947.0	948.3
10°	935.7	935.7	939.5	942.0	943.2
12.5°	924.3	924.3	929.4	933.1	935.7
15°	907.9	909.2	915.5	921.8	924.3
17.5°	888.9	892.7	900.3	909.2	911.7
20°	870.0	872.5	881.4	892.7	897.8
22.5°	846.0	849.8	859.9	875.1	880.1
25°	819.5	824.6	837.2	853.6	861.2
27.5°	793.0	796.8	811.9	830.9	839.7
30°	763.9	769.0	785.4	806.9	817.0
32.5°	734.9	738.7	757.6	780.4	791.7
35°	703.3	708.4	726.1	752.6	763.9
37.5°	670.5	676.8	694.5	722.3	734.9
40°	637.7	641.5	661.7	689.4	704.6
42.5°	603.6	608.6	627.6	657.9	673.0
45°	567.0	573.3	592.2	622.5	637.7
47.5°	531.6	537.9	555.6	585.9	599.8
50°	496.2	500.0	517.7	548.0	564.4
52.5°	459.6	463.4	479.8	508.9	524.0
55°	423.0	426.8	441.9	471.0	484.9
57.5°	385.1	387.7	402.8	429.3	443.2
60°	348.5	349.8	363.7	387.7	401.5
62.5°	309.4	310.6	320.7	348.5	361.1
65°	274.0	272.7	282.8	304.3	316.9
67.5°	237.4	237.4	246.2	265.2	275.3
70°	200.8	200.8	208.3	224.8	234.9
72.5°	166.7	166.7	173.0	185.6	193.2
75°	132.6	131.3	137.6	147.7	155.3
77.5°	101.0	101.0	103.5	112.4	117.4
80°	72.0	72.0	73.2	78.3	82.1
82.5°	45.5	45.5	45.5	48.0	49.2
85°	21.5	24.0	24.0	21.5	20.2
87.5°	10.1	10.1	8.8	8.8	8.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)