

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: P383892

Luminaire Tested: **14ID-25-L840-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383892  
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-L840-CFR2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

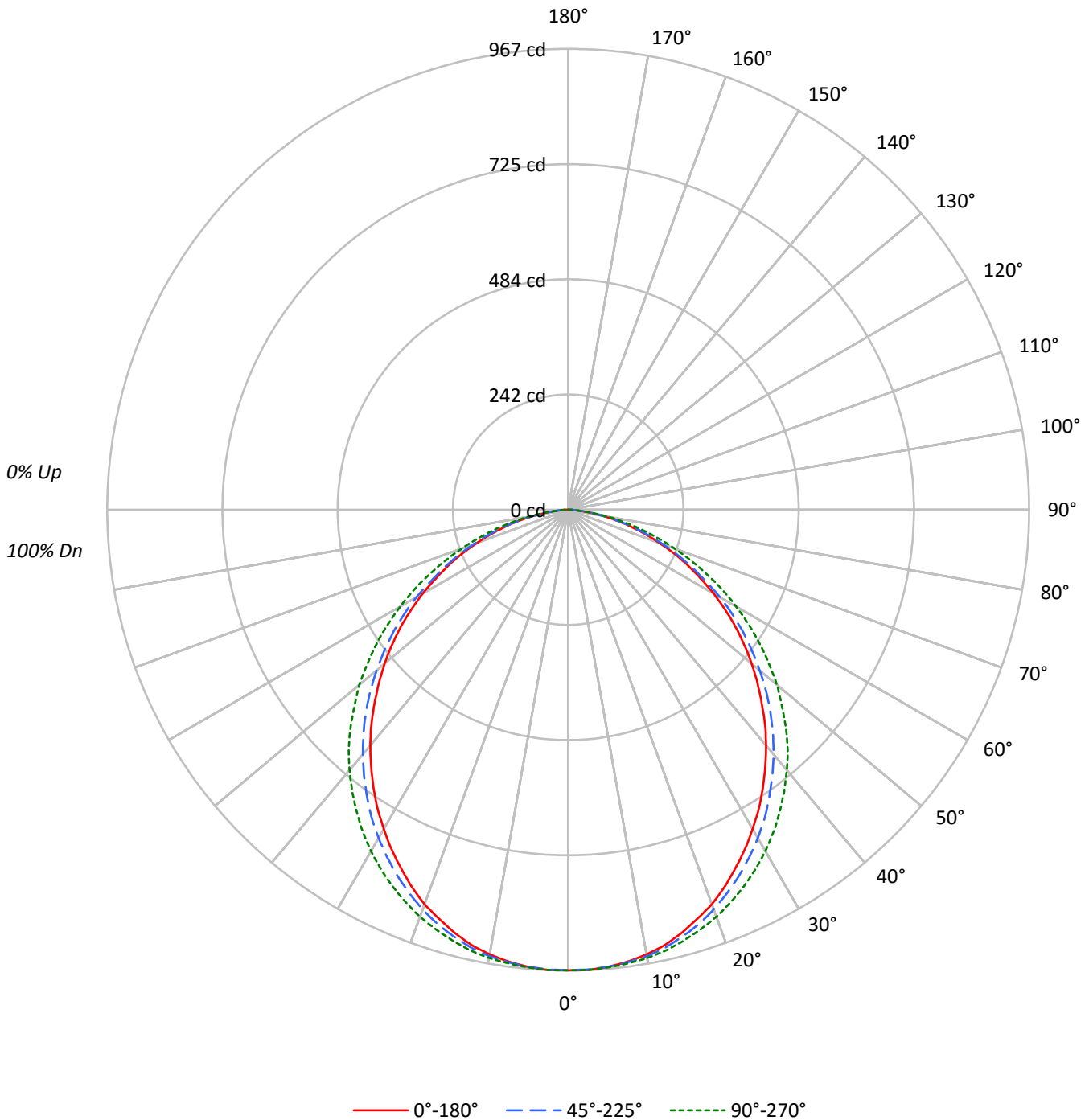
Lumens per Lamp: N/A  
Luminaire Lumens: 2552.0 lumens  
Efficiency: N/A  
Efficacy: 124.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.5  
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



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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°	2601	2601	2601
5°	2601	2601	2605
10°	2589	2600	2610
15°	2561	2583	2608
20°	2523	2556	2604
25°	2464	2517	2589
30°	2404	2472	2571
35°	2340	2416	2541
40°	2269	2354	2506
45°	2185	2282	2458
50°	2104	2195	2393
55°	2010	2100	2304
60°	1899	1982	2188
65°	1767	1824	2044
70°	1600	1660	1871
75°	1396	1449	1635
80°	1130	1150	1288
85°	670	750	633



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.5	3.6
10°-20°	261.6	10.2
20°-30°	391.3	15.3
30°-40°	462.3	18.1
40°-50°	466.5	18.3
50°-60°	405.1	15.9
60°-70°	290.5	11.4
70°-80°	151.3	5.9
80°-90°	31.9	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°	744.4	29.2
0°-40°	1206.7	47.3
0°-60°	2078.2	81.4
0°-90°	2552.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2552.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	967	967	967	967	967	
5°	963	962	963	963	964	91
15°	919	921	927	934	936	259
25°	830	835	848	864	872	382
35°	712	717	735	762	774	445
45°	574	581	600	630	646	443
55°	428	432	448	477	491	383
65°	278	276	286	308	321	274
75°	134	133	139	150	157	143
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°	966.7	966.7	966.7	966.7	966.7
2.5°	966.7	965.5	965.5	965.5	966.7
5°	962.9	961.6	962.9	962.9	964.2
7.5°	956.5	955.2	957.8	959.1	960.3
10°	947.6	947.6	951.4	953.9	955.2
12.5°	936.0	936.0	941.2	945.0	947.6
15°	919.4	920.7	927.1	933.5	936.0
17.5°	900.2	904.1	911.7	920.7	923.3
20°	881.1	883.6	892.6	904.1	909.2
22.5°	856.8	860.6	870.8	886.2	891.3
25°	829.9	835.0	847.8	864.4	872.1
27.5°	803.1	806.9	822.2	841.4	850.4
30°	773.6	778.8	795.4	817.1	827.3
32.5°	744.2	748.1	767.2	790.3	801.8
35°	712.3	717.4	735.3	762.1	773.6
37.5°	679.0	685.4	703.3	731.4	744.2
40°	645.8	649.6	670.1	698.2	713.5
42.5°	611.2	616.4	635.5	666.2	681.6
45°	574.2	580.6	599.7	630.4	645.8
47.5°	538.4	544.7	562.6	593.3	607.4
50°	502.5	506.4	524.3	555.0	571.6
52.5°	465.5	469.3	485.9	515.3	530.7
55°	428.4	432.2	447.6	477.0	491.0
57.5°	390.0	392.6	407.9	434.8	448.8
60°	352.9	354.2	368.3	392.6	406.6
62.5°	313.3	314.6	324.8	352.9	365.7
65°	277.5	276.2	286.4	308.2	321.0
67.5°	240.4	240.4	249.4	268.5	278.8
70°	203.3	203.3	211.0	227.6	237.8
72.5°	168.8	168.8	175.2	188.0	195.6
75°	134.3	133.0	139.4	149.6	157.3
77.5°	102.3	102.3	104.9	113.8	118.9
80°	72.9	72.9	74.2	79.3	83.1
82.5°	46.0	46.0	46.0	48.6	49.9
85°	21.7	24.3	24.3	21.7	20.5
87.5°	10.2	10.2	9.0	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)