

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: P383956

Luminaire Tested: **22ID-35-L840-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383956  
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: 22ID-35-L840-CFR2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

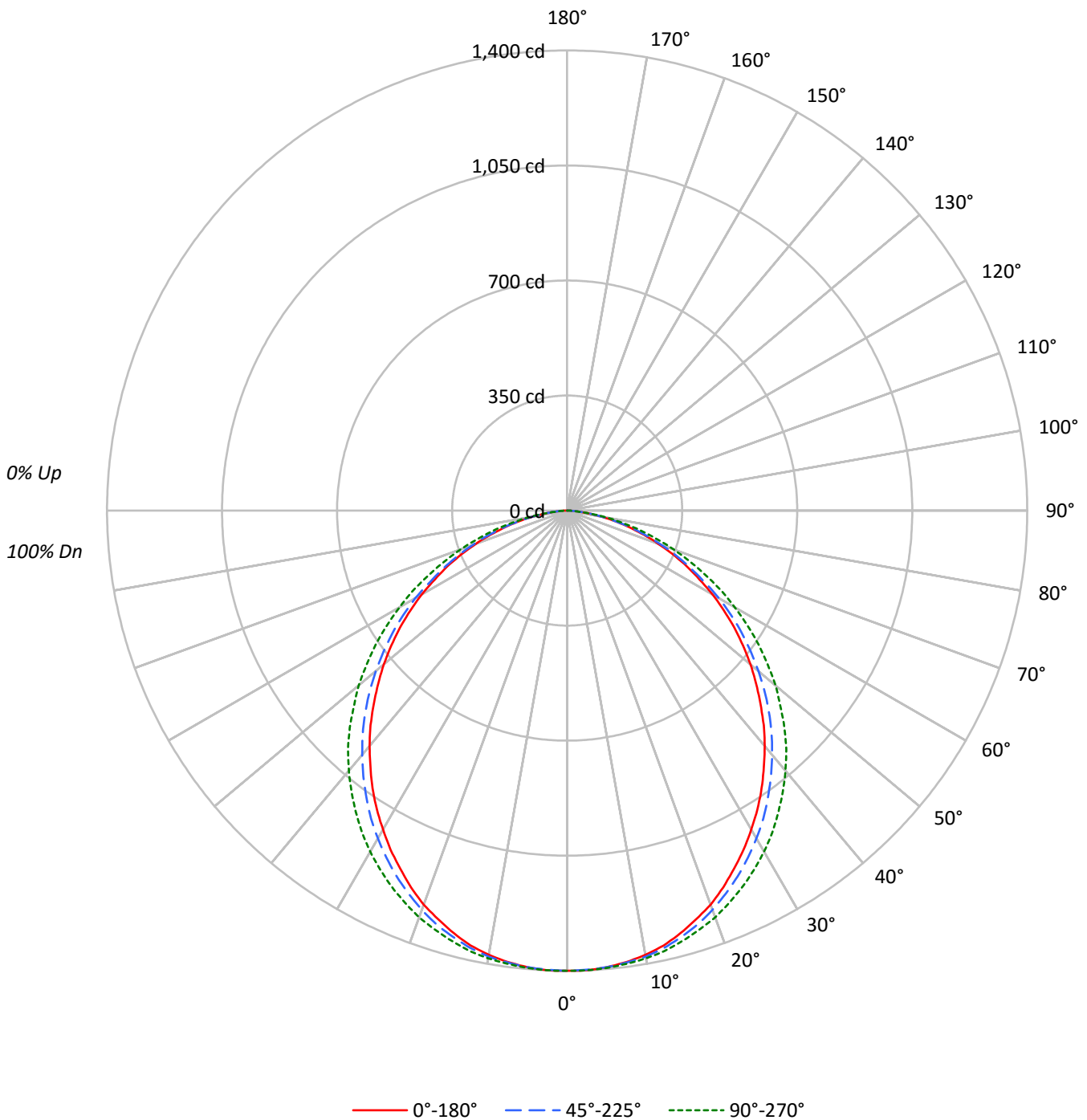
Lumens per Lamp: N/A  
Luminaire Lumens: 3696.0 lumens  
Efficiency: N/A  
Efficacy: 130.1 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.4  
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°	3768	3768	3768
5°	3767	3767	3772
10°	3750	3765	3780
15°	3710	3741	3777
20°	3654	3702	3771
25°	3569	3646	3750
30°	3481	3579	3723
35°	3389	3498	3681
40°	3285	3409	3630
45°	3164	3306	3559
50°	3047	3179	3466
55°	2911	3041	3337
60°	2751	2871	3169
65°	2559	2641	2960
70°	2317	2404	2710
75°	2022	2099	2368
80°	1636	1664	1866
85°	973	1087	914



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.5	3.6
10°-20°	378.8	10.2
20°-30°	566.7	15.3
30°-40°	669.5	18.1
40°-50°	675.6	18.3
50°-60°	586.7	15.9
60°-70°	420.7	11.4
70°-80°	219.2	5.9
80°-90°	46.3	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°	1078.1	29.2
0°-40°	1747.6	47.3
0°-60°	3009.9	81.4
0°-90°	3696.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3696.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1400	1400	1400	1400	1400	
5°	1394	1393	1394	1394	1396	132
15°	1332	1333	1343	1352	1356	375
25°	1202	1209	1228	1252	1263	554
35°	1032	1039	1065	1104	1120	645
45°	832	841	869	913	935	642
55°	620	626	648	691	711	554
65°	402	400	415	446	465	397
75°	194	193	202	217	228	207
85°	32	35	35	32	30	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1400.1	1400.1	1400.1	1400.1	1400.1
2.5°	1400.1	1398.2	1398.2	1398.2	1400.1
5°	1394.5	1392.7	1394.5	1394.5	1396.4
7.5°	1385.3	1383.4	1387.1	1389.0	1390.8
10°	1372.3	1372.3	1377.9	1381.6	1383.4
12.5°	1355.6	1355.6	1363.1	1368.6	1372.3
15°	1331.6	1333.4	1342.7	1351.9	1355.6
17.5°	1303.8	1309.3	1320.5	1333.4	1337.1
20°	1276.0	1279.7	1292.7	1309.3	1316.8
22.5°	1240.8	1246.4	1261.2	1283.4	1290.8
25°	1201.9	1209.3	1227.9	1251.9	1263.0
27.5°	1163.0	1168.6	1190.8	1218.6	1231.6
30°	1120.4	1127.9	1151.9	1183.4	1198.2
32.5°	1077.8	1083.4	1111.2	1144.5	1161.2
35°	1031.6	1039.0	1064.9	1103.8	1120.4
37.5°	983.4	992.7	1018.6	1059.3	1077.8
40°	935.2	940.8	970.4	1011.2	1033.4
42.5°	885.2	892.7	920.4	964.9	987.1
45°	831.5	840.8	868.6	913.0	935.2
47.5°	779.7	788.9	814.9	859.3	879.7
50°	727.8	733.4	759.3	803.8	827.8
52.5°	674.1	679.7	703.8	746.3	768.6
55°	620.4	626.0	648.2	690.8	711.2
57.5°	564.9	568.6	590.8	629.7	650.0
60°	511.1	513.0	533.4	568.6	588.9
62.5°	453.7	455.6	470.4	511.1	529.7
65°	401.9	400.0	414.8	446.3	464.8
67.5°	348.2	348.2	361.1	388.9	403.7
70°	294.5	294.5	305.6	329.7	344.5
72.5°	244.5	244.5	253.7	272.2	283.4
75°	194.5	192.6	201.9	216.7	227.8
77.5°	148.2	148.2	151.9	164.8	172.2
80°	105.6	105.6	107.4	114.8	120.4
82.5°	66.7	66.7	66.7	70.4	72.2
85°	31.5	35.2	35.2	31.5	29.6
87.5°	14.8	14.8	13.0	13.0	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)