

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: P383795

Luminaire Tested: **22ID-45-L835-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383795  
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-45-L835-CFR1  
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

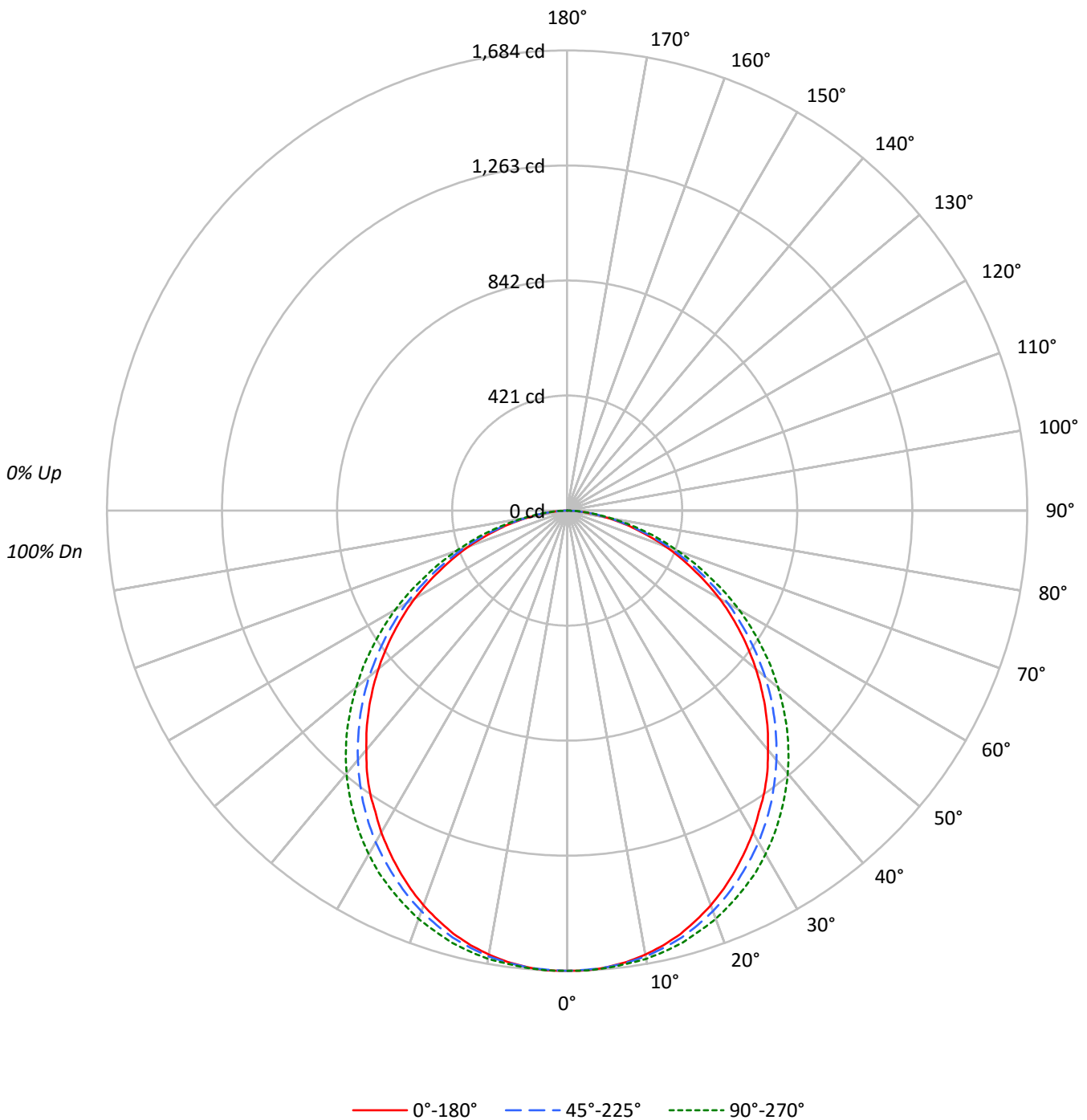
Lumens per Lamp: N/A  
Luminaire Lumens: 4574.4 lumens  
Efficiency: N/A  
Efficacy: 123.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 37.2  
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°	4532	4532	4532
5°	4531	4531	4537
10°	4508	4527	4552
15°	4468	4506	4558
20°	4402	4468	4553
25°	4318	4413	4537
30°	4226	4354	4511
35°	4135	4278	4467
40°	4017	4187	4413
45°	3905	4081	4335
50°	3776	3959	4219
55°	3627	3811	4081
60°	3468	3653	3913
65°	3238	3428	3663
70°	3006	3168	3386
75°	2679	2823	3062
80°	2247	2354	2568
85°	1704	1704	1917



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.4	3.5
10°-20°	456.1	10.0
20°-30°	685.9	15.0
30°-40°	815.9	17.8
40°-50°	830.2	18.1
50°-60°	730.6	16.0
60°-70°	536.0	11.7
70°-80°	290.9	6.4
80°-90°	69.4	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°	1301.4	28.4
0°-40°	2117.3	46.3
0°-60°	3678.1	80.4
0°-90°	4574.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4574.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1684	1684	1684	1684	1684	
5°	1677	1675	1677	1677	1680	159
15°	1604	1606	1618	1627	1636	452
25°	1454	1463	1486	1512	1528	670
35°	1259	1268	1302	1342	1360	786
45°	1026	1035	1072	1118	1139	791
55°	773	785	812	851	870	691
65°	508	518	538	561	575	505
75°	258	262	272	285	294	274
85°	55	55	55	60	62	67
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1684.3	1684.3	1684.3	1684.3	1684.3
2.5°	1684.3	1682.0	1682.0	1682.0	1684.3
5°	1677.4	1675.1	1677.4	1677.4	1679.7
7.5°	1665.9	1663.6	1668.2	1670.5	1672.8
10°	1649.8	1649.8	1656.7	1661.3	1665.9
12.5°	1629.1	1631.4	1638.3	1645.2	1652.1
15°	1603.8	1606.1	1617.6	1626.8	1636.0
17.5°	1571.6	1576.2	1590.0	1603.8	1613.0
20°	1537.1	1544.0	1560.1	1578.5	1590.0
22.5°	1498.0	1507.2	1525.6	1548.6	1560.1
25°	1454.2	1463.4	1486.4	1511.8	1527.9
27.5°	1408.2	1419.7	1445.0	1474.9	1493.3
30°	1359.9	1371.4	1401.3	1433.5	1451.9
32.5°	1307.0	1320.8	1353.0	1389.8	1408.2
35°	1258.6	1267.9	1302.4	1341.5	1359.9
37.5°	1203.4	1214.9	1247.1	1288.6	1309.3
40°	1143.6	1155.1	1191.9	1233.3	1256.3
42.5°	1086.1	1095.3	1132.1	1178.1	1198.8
45°	1026.2	1035.4	1072.3	1118.3	1139.0
47.5°	964.1	975.6	1010.1	1053.9	1074.6
50°	902.0	911.2	945.7	987.1	1007.8
52.5°	837.6	846.8	879.0	920.4	941.1
55°	773.1	784.6	812.3	851.4	869.8
57.5°	708.7	720.2	745.5	782.3	798.4
60°	644.3	653.5	678.8	711.0	727.1
62.5°	575.2	582.2	607.5	639.7	653.5
65°	508.5	517.7	538.4	561.4	575.2
67.5°	446.4	451.0	469.4	494.7	503.9
70°	382.0	386.6	402.7	423.4	430.3
72.5°	317.5	324.4	335.9	354.4	363.6
75°	257.7	262.3	271.5	285.3	294.5
77.5°	200.2	202.5	209.4	220.9	227.8
80°	145.0	147.3	151.9	161.1	165.7
82.5°	96.6	98.9	101.2	105.8	110.4
85°	55.2	55.2	55.2	59.8	62.1
87.5°	20.7	18.4	18.4	18.4	18.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)