

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: P385311

Luminaire Tested: **22ID-50-L835-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385311  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22ID-50-L835-CNV  
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

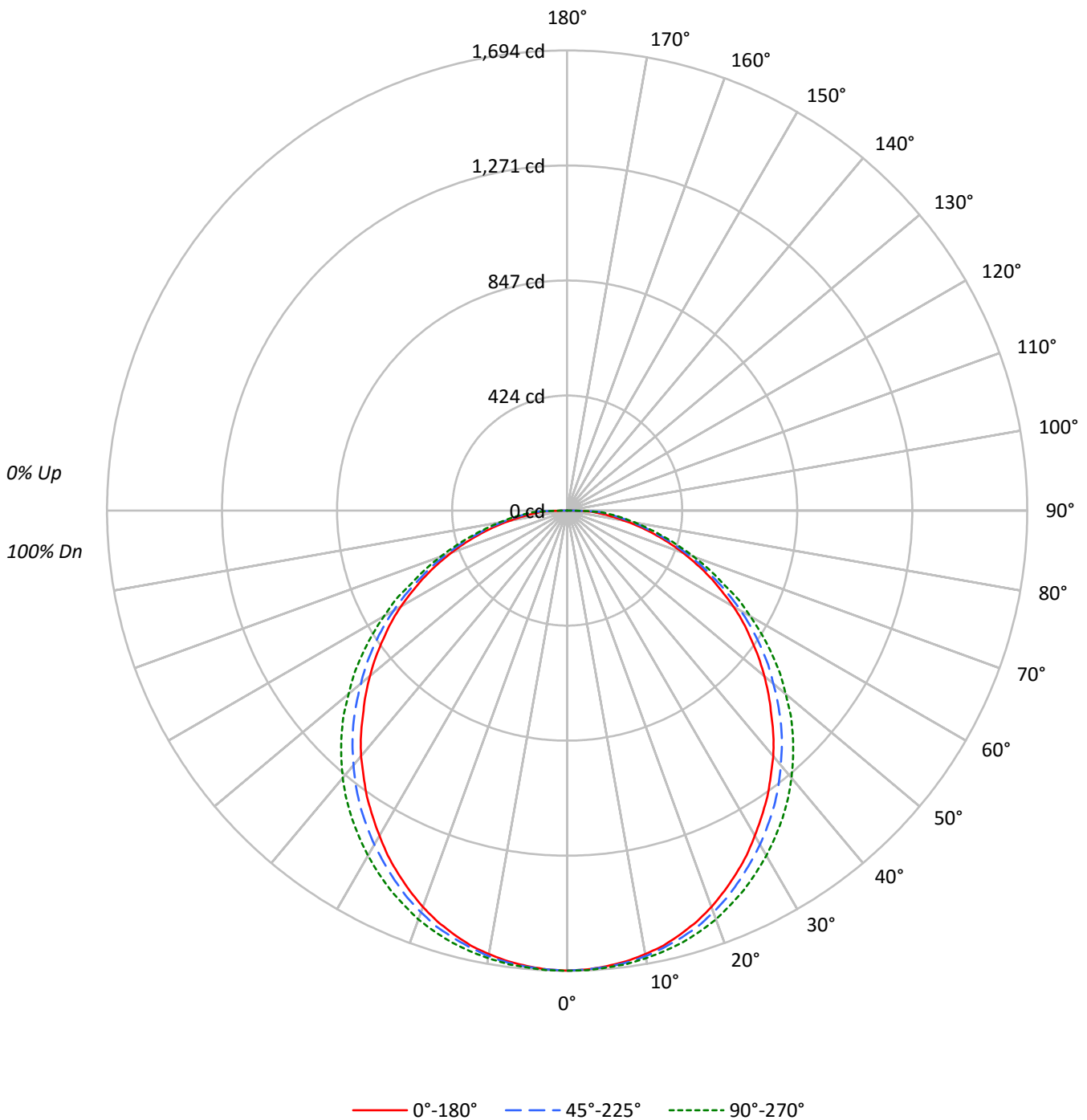
Lumens per Lamp: N/A  
Luminaire Lumens: 4912.2 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 41.1  
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	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					100			
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82					82			
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68					68			
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57					57			
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26					26			
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24					24			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4557	4557	4557
5°	4514	4508	4528
10°	4465	4458	4506
15°	4399	4394	4483
20°	4317	4321	4452
25°	4213	4227	4403
30°	4097	4132	4347
35°	3988	4031	4290
40°	3875	3911	4219
45°	3733	3792	4128
50°	3609	3638	3998
55°	3470	3488	3856
60°	3328	3299	3664
65°	3133	3064	3409
70°	2894	2809	3173
75°	2613	2527	2897
80°	2231	2230	2661
85°	1899	2017	2544



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.2	3.3
10°-20°	459.2	9.3
20°-30°	693.0	14.1
30°-40°	831.8	16.9
40°-50°	860.9	17.5
50°-60°	779.9	15.9
60°-70°	600.9	12.2
70°-80°	371.8	7.6
80°-90°	154.4	3.1
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°	1312.5	26.7
0°-40°	2144.4	43.7
0°-60°	3785.1	77.1
0°-90°	4912.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4912.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1694	1694	1694	1694	1694	
5°	1683	1683	1686	1686	1688	160
15°	1614	1617	1627	1637	1645	455
25°	1474	1479	1502	1528	1540	679
35°	1285	1295	1328	1364	1382	803
45°	1063	1078	1114	1155	1175	822
55°	828	840	868	907	920	741
65°	580	585	603	628	631	573
75°	330	337	350	365	365	349
85°	120	133	153	164	161	130
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1693.6	1693.6	1693.6	1693.6	1693.6
2.5°	1691.1	1691.1	1691.1	1691.1	1693.6
5°	1683.4	1683.4	1686.0	1686.0	1688.5
7.5°	1673.2	1673.2	1678.3	1678.3	1683.4
10°	1657.9	1660.4	1665.5	1668.1	1673.2
12.5°	1640.0	1640.0	1647.6	1655.3	1660.4
15°	1614.4	1617.0	1627.2	1637.4	1645.1
17.5°	1586.3	1588.9	1604.2	1614.4	1624.7
20°	1553.1	1555.7	1573.6	1588.9	1601.7
22.5°	1514.8	1519.9	1540.4	1560.8	1571.0
25°	1473.9	1479.0	1502.0	1527.6	1540.4
27.5°	1430.5	1438.2	1461.2	1489.3	1504.6
30°	1382.0	1392.2	1420.3	1451.0	1466.3
32.5°	1333.4	1343.7	1374.3	1410.1	1425.4
35°	1284.9	1295.1	1328.3	1364.1	1382.0
37.5°	1231.3	1241.5	1277.2	1315.6	1336.0
40°	1180.2	1190.4	1223.6	1267.0	1284.9
42.5°	1124.0	1134.2	1170.0	1210.8	1231.3
45°	1062.7	1078.0	1113.8	1154.6	1175.1
47.5°	1006.5	1019.2	1052.4	1095.9	1116.3
50°	947.7	960.5	991.1	1034.6	1049.9
52.5°	889.0	901.7	932.4	973.3	988.6
55°	827.7	840.4	868.5	906.8	919.6
57.5°	768.9	779.1	804.7	840.4	850.6
60°	707.6	717.8	738.2	771.5	779.1
62.5°	641.2	648.8	671.8	702.5	712.7
65°	579.9	585.0	602.9	628.4	631.0
67.5°	516.0	521.1	539.0	556.9	564.5
70°	452.1	459.8	472.6	490.5	495.6
72.5°	390.8	398.5	411.3	426.6	429.2
75°	329.5	337.2	350.0	365.3	365.3
77.5°	270.8	278.4	293.8	306.5	306.5
80°	212.0	224.8	240.1	252.9	252.9
82.5°	163.5	173.7	194.1	204.4	204.4
85°	120.1	132.8	153.3	163.5	160.9
87.5°	86.9	99.6	117.5	125.2	122.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)