

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: P385307

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

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385307  
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-45-L835-CNV  
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

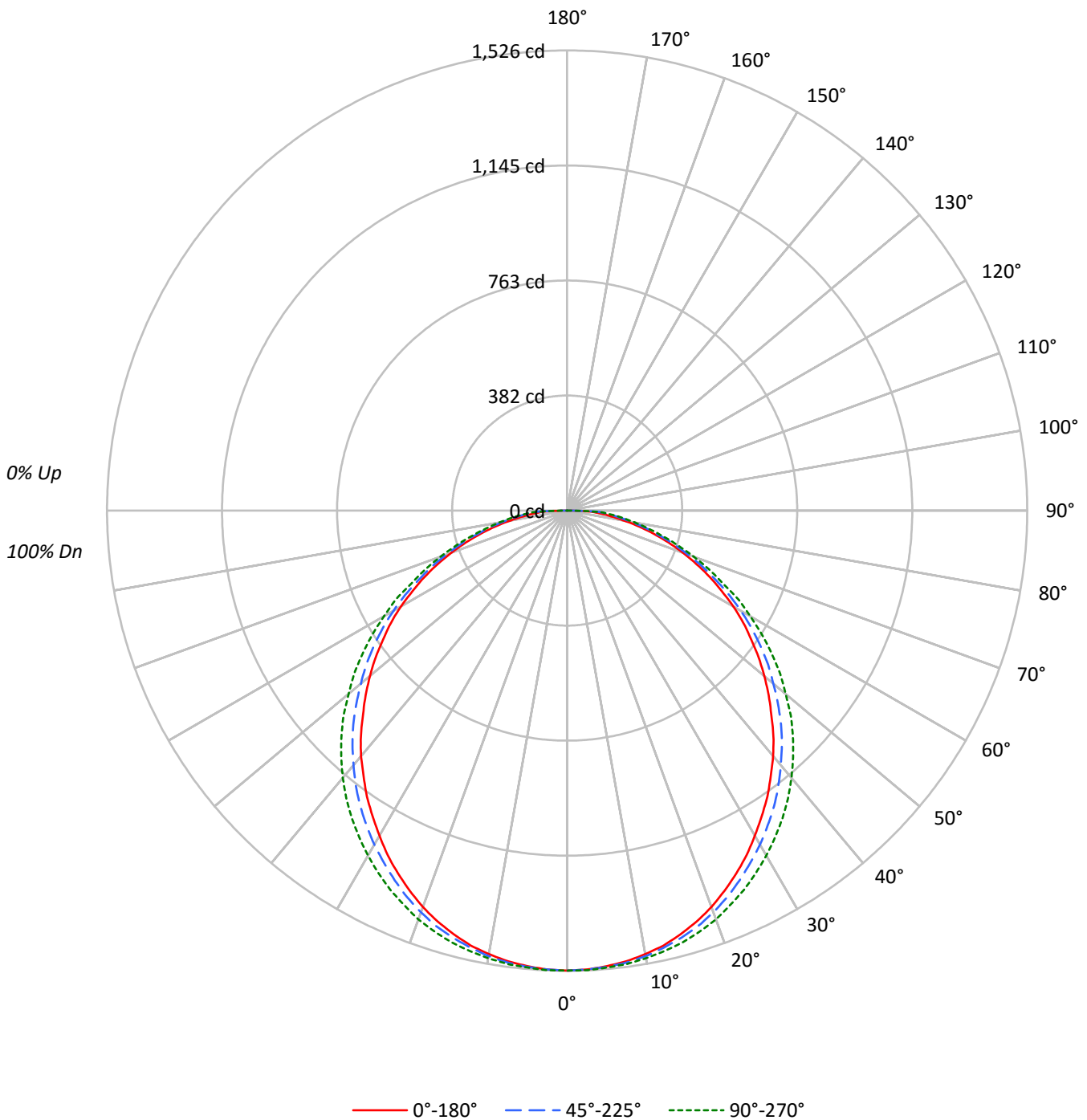
Lumens per Lamp: N/A  
Luminaire Lumens: 4424.8 lumens  
Efficiency: N/A  
Efficacy: 118.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

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

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

	0°	45°	90°
0°	4105	4105	4105
5°	4067	4061	4079
10°	4022	4016	4059
15°	3963	3959	4038
20°	3888	3892	4010
25°	3795	3808	3966
30°	3691	3722	3916
35°	3593	3631	3864
40°	3490	3523	3800
45°	3363	3415	3718
50°	3251	3277	3601
55°	3126	3141	3473
60°	2998	2972	3301
65°	2821	2760	3070
70°	2608	2530	2858
75°	2354	2276	2609
80°	2010	2009	2397
85°	1709	1817	2293



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.4	3.3
10°-20°	413.7	9.3
20°-30°	624.3	14.1
30°-40°	749.3	16.9
40°-50°	775.4	17.5
50°-60°	702.5	15.9
60°-70°	541.2	12.2
70°-80°	334.9	7.6
80°-90°	139.1	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°	1182.3	26.7
0°-40°	1931.6	43.7
0°-60°	3409.5	77.1
0°-90°	4424.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4424.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1526	1526	1526	1526	1526	
5°	1516	1516	1519	1519	1521	144
15°	1454	1457	1466	1475	1482	410
25°	1328	1332	1353	1376	1388	612
35°	1157	1167	1196	1229	1245	724
45°	957	971	1003	1040	1058	740
55°	746	757	782	817	828	668
65°	522	527	543	566	568	516
75°	297	304	315	329	329	314
85°	108	120	138	147	145	117
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1525.6	1525.6	1525.6	1525.6	1525.6
2.5°	1523.3	1523.3	1523.3	1523.3	1525.6
5°	1516.4	1516.4	1518.7	1518.7	1521.0
7.5°	1507.2	1507.2	1511.8	1511.8	1516.4
10°	1493.4	1495.7	1500.3	1502.6	1507.2
12.5°	1477.3	1477.3	1484.2	1491.1	1495.7
15°	1454.2	1456.6	1465.8	1475.0	1481.9
17.5°	1428.9	1431.2	1445.0	1454.2	1463.5
20°	1399.0	1401.3	1417.4	1431.2	1442.7
22.5°	1364.5	1369.1	1387.5	1405.9	1415.1
25°	1327.7	1332.3	1353.0	1376.0	1387.5
27.5°	1288.6	1295.5	1316.2	1341.5	1355.3
30°	1244.9	1254.1	1279.4	1307.0	1320.8
32.5°	1201.1	1210.3	1238.0	1270.2	1284.0
35°	1157.4	1166.6	1196.5	1228.7	1244.9
37.5°	1109.1	1118.3	1150.5	1185.0	1203.4
40°	1063.1	1072.3	1102.2	1141.3	1157.4
42.5°	1012.5	1021.7	1053.9	1090.7	1109.1
45°	957.2	971.0	1003.2	1040.1	1058.5
47.5°	906.6	918.1	948.0	987.1	1005.5
50°	853.7	865.2	892.8	931.9	945.7
52.5°	800.8	812.3	839.9	876.7	890.5
55°	745.5	757.0	782.3	816.9	828.4
57.5°	692.6	701.8	724.8	757.0	766.2
60°	637.4	646.6	665.0	694.9	701.8
62.5°	577.6	584.5	605.2	632.8	642.0
65°	522.3	526.9	543.0	566.1	568.4
67.5°	464.8	469.4	485.5	501.6	508.5
70°	407.3	414.2	425.7	441.8	446.4
72.5°	352.1	359.0	370.5	384.3	386.6
75°	296.8	303.7	315.2	329.0	329.0
77.5°	243.9	250.8	264.6	276.1	276.1
80°	191.0	202.5	216.3	227.8	227.8
82.5°	147.3	156.5	174.9	184.1	184.1
85°	108.1	119.7	138.1	147.3	145.0
87.5°	78.2	89.7	105.8	112.8	110.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)