

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: P385251

Luminaire Tested: **14ID-45-L835-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385251  
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: 14ID-45-L835-CNV  
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

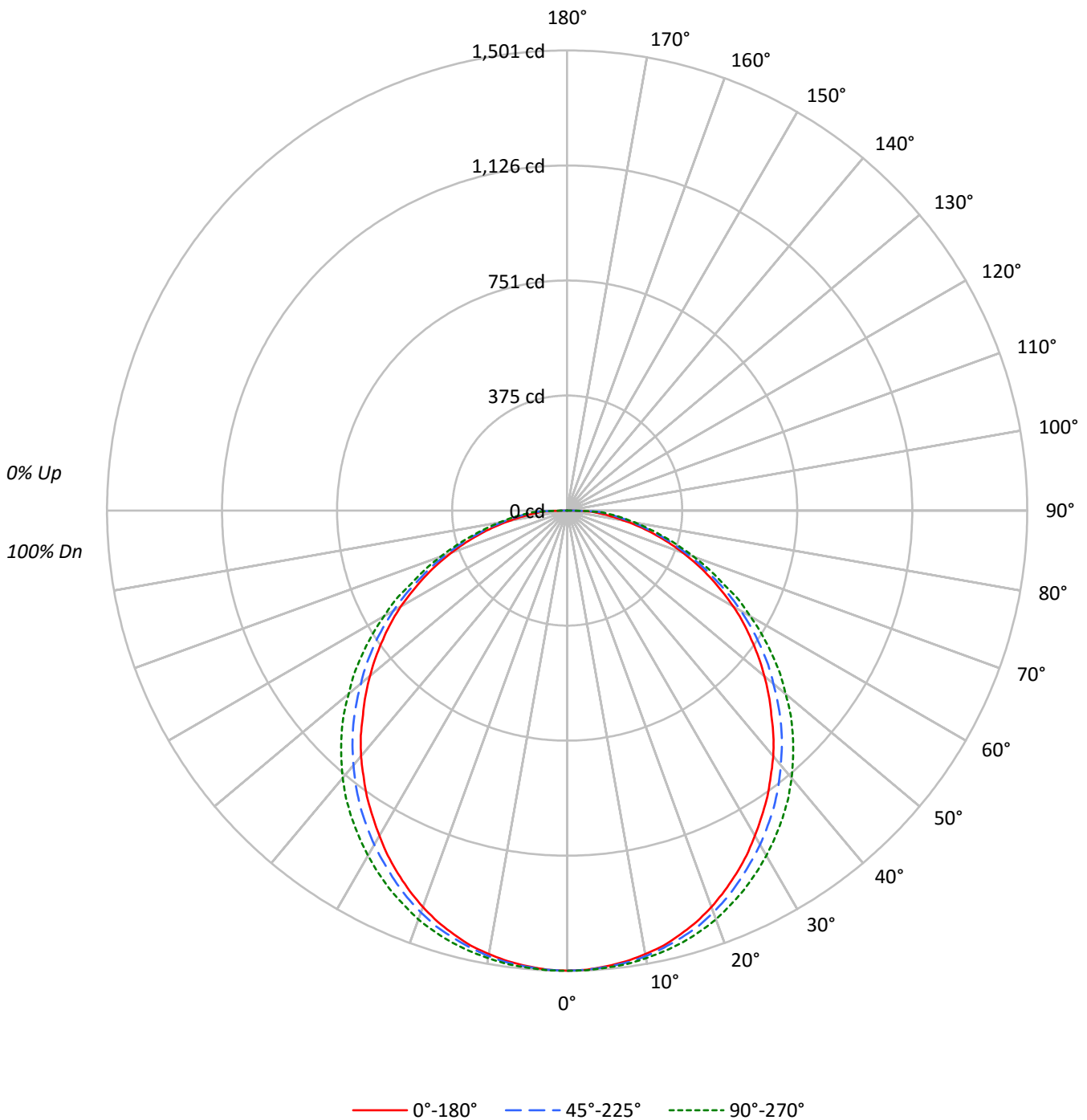
Lumens per Lamp: N/A  
Luminaire Lumens: 4353.3 lumens  
Efficiency: N/A  
Efficacy: 114.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 38.1  
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	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°	4039	4039	4039
5°	4015	3985	3984
10°	3985	3931	3936
15°	3942	3865	3888
20°	3883	3790	3832
25°	3804	3698	3761
30°	3716	3605	3683
35°	3635	3506	3603
40°	3550	3390	3509
45°	3441	3274	3397
50°	3350	3128	3250
55°	3248	2983	3088
60°	3148	2806	2884
65°	3004	2585	2623
70°	2829	2346	2370
75°	2627	2080	2075
80°	2355	1797	1785
85°	2225	1562	1516



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.0	3.3
10°-20°	407.0	9.3
20°-30°	614.2	14.1
30°-40°	737.2	16.9
40°-50°	762.9	17.5
50°-60°	691.2	15.9
60°-70°	532.5	12.2
70°-80°	329.5	7.6
80°-90°	136.8	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°	1163.2	26.7
0°-40°	1900.4	43.7
0°-60°	3354.4	77.1
0°-90°	4353.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4353.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1501	1501	1501	1501	1501	
5°	1492	1492	1494	1494	1496	142
15°	1431	1433	1442	1451	1458	403
25°	1306	1311	1331	1354	1365	602
35°	1139	1148	1177	1209	1225	712
45°	942	955	987	1023	1041	728
55°	734	745	770	804	815	657
65°	514	518	534	557	559	508
75°	292	299	310	324	324	309
85°	106	118	136	145	143	115
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1500.9	1500.9	1500.9	1500.9	1500.9
2.5°	1498.7	1498.7	1498.7	1498.7	1500.9
5°	1491.9	1491.9	1494.1	1494.1	1496.4
7.5°	1482.8	1482.8	1487.3	1487.3	1491.9
10°	1469.2	1471.5	1476.0	1478.3	1482.8
12.5°	1453.4	1453.4	1460.2	1467.0	1471.5
15°	1430.8	1433.0	1442.1	1451.1	1457.9
17.5°	1405.8	1408.1	1421.7	1430.8	1439.8
20°	1376.4	1378.7	1394.5	1408.1	1419.4
22.5°	1342.5	1347.0	1365.1	1383.2	1392.3
25°	1306.2	1310.8	1331.1	1353.8	1365.1
27.5°	1267.8	1274.5	1294.9	1319.8	1333.4
30°	1224.7	1233.8	1258.7	1285.9	1299.4
32.5°	1181.7	1190.8	1217.9	1249.6	1263.2
35°	1138.7	1147.8	1177.2	1208.9	1224.7
37.5°	1091.2	1100.2	1131.9	1165.9	1184.0
40°	1045.9	1055.0	1084.4	1122.9	1138.7
42.5°	996.1	1005.1	1036.8	1073.1	1091.2
45°	941.8	955.3	987.0	1023.3	1041.4
47.5°	892.0	903.3	932.7	971.2	989.3
50°	839.9	851.2	878.4	916.9	930.4
52.5°	787.8	799.1	826.3	862.5	876.1
55°	733.5	744.8	769.7	803.7	815.0
57.5°	681.4	690.5	713.1	744.8	753.9
60°	627.1	636.1	654.3	683.7	690.5
62.5°	568.2	575.0	595.4	622.6	631.6
65°	513.9	518.4	534.3	556.9	559.2
67.5°	457.3	461.8	477.7	493.5	500.3
70°	400.7	407.5	418.8	434.7	439.2
72.5°	346.4	353.2	364.5	378.1	380.3
75°	292.0	298.8	310.1	323.7	323.7
77.5°	240.0	246.8	260.3	271.7	271.7
80°	187.9	199.2	212.8	224.1	224.1
82.5°	144.9	153.9	172.1	181.1	181.1
85°	106.4	117.7	135.8	144.9	142.6
87.5°	77.0	88.3	104.1	110.9	108.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)