

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: P385275

Luminaire Tested: **14ID-75-L835-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385275  
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-75-L835-CNV  
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

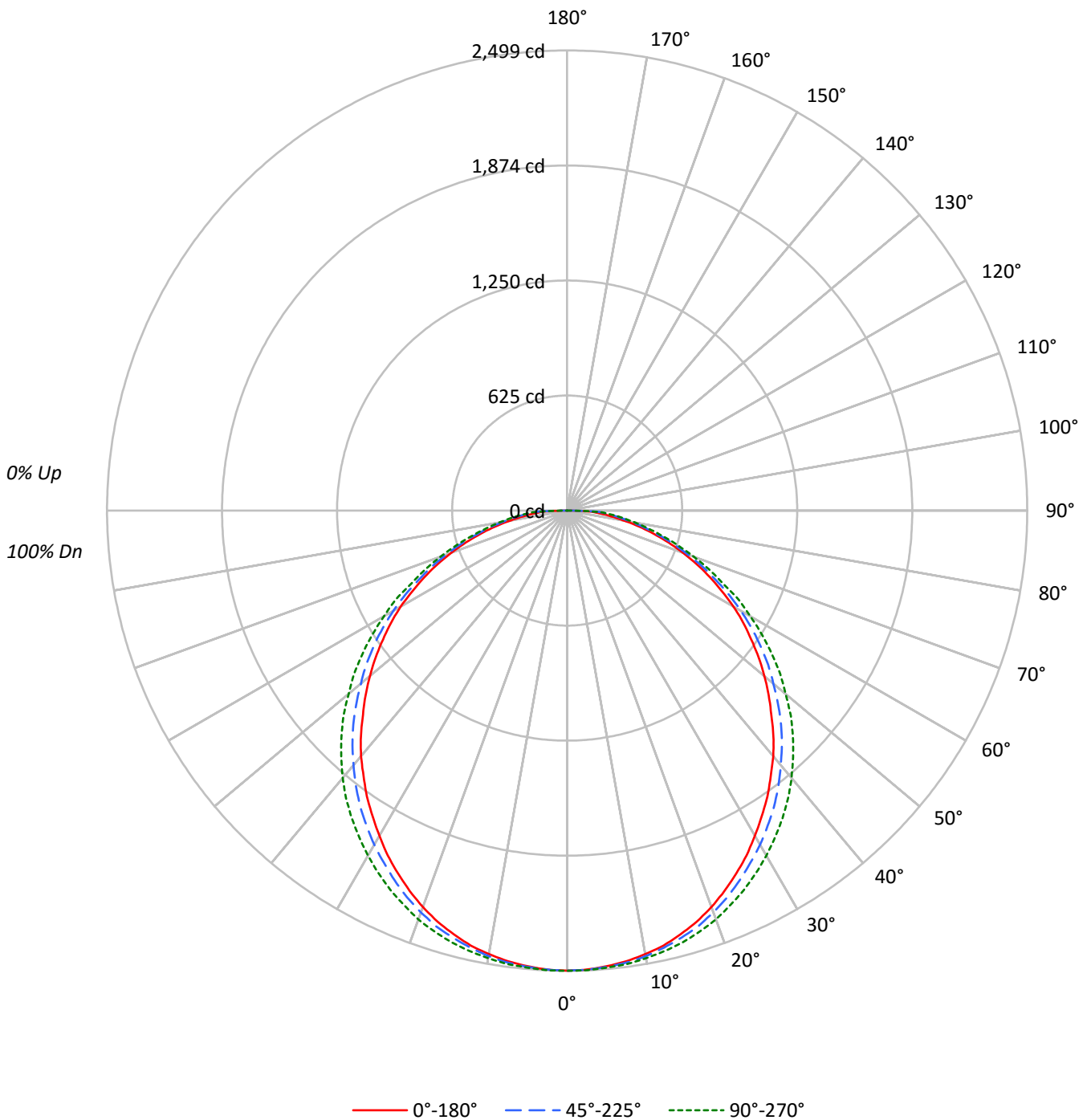
Lumens per Lamp: N/A  
Luminaire Lumens: 7247.4 lumens  
Efficiency: N/A  
Efficacy: 102.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 70.9  
Input Voltage (V): NR  
Input Current (Ain): 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



TEST NUMBER: P385275  
CATALOG NUMBER: 14ID-75-L835-CNV

### Luminous Intensity Polar Plot





TEST NUMBER: P385275

CATALOG NUMBER: 14ID-75-L835-CNV

**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°	6724	6724	6724
5°	6685	6634	6633
10°	6635	6545	6553
15°	6562	6434	6473
20°	6464	6310	6380
25°	6334	6157	6261
30°	6187	6001	6132
35°	6051	5836	5998
40°	5910	5644	5842
45°	5728	5450	5655
50°	5577	5208	5410
55°	5407	4967	5142
60°	5241	4670	4801
65°	5000	4304	4367
70°	4710	3905	3946
75°	4375	3464	3454
80°	3921	2991	2972
85°	3704	2601	2523



TEST NUMBER: P385275

CATALOG NUMBER: 14ID-75-L835-CNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.4	3.3
10°-20°	677.6	9.3
20°-30°	1022.5	14.1
30°-40°	1227.3	16.9
40°-50°	1270.1	17.5
50°-60°	1150.6	15.9
60°-70°	886.5	12.2
70°-80°	548.5	7.6
80°-90°	227.8	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°	1936.5	26.7
0°-40°	3163.7	43.7
0°-60°	5584.5	77.1
0°-90°	7247.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7247.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2499	2499	2499	2499	2499	
5°	2484	2484	2487	2487	2491	236
15°	2382	2386	2401	2416	2427	672
25°	2175	2182	2216	2254	2273	1002
35°	1896	1911	1960	2013	2039	1185
45°	1568	1590	1643	1704	1734	1212
55°	1221	1240	1281	1338	1357	1093
65°	856	863	890	927	931	846
75°	486	498	516	539	539	515
85°	177	196	226	241	237	191
90°	0	0	0	0	0	



TEST NUMBER: P385275

CATALOG NUMBER: 14ID-75-L835-CNV

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2498.8	2498.8	2498.8	2498.8	2498.8
2.5°	2495.0	2495.0	2495.0	2495.0	2498.8
5°	2483.7	2483.7	2487.4	2487.4	2491.2
7.5°	2468.6	2468.6	2476.1	2476.1	2483.7
10°	2446.0	2449.8	2457.3	2461.1	2468.6
12.5°	2419.6	2419.6	2430.9	2442.2	2449.8
15°	2381.9	2385.7	2400.8	2415.8	2427.1
17.5°	2340.5	2344.2	2366.8	2381.9	2397.0
20°	2291.5	2295.2	2321.6	2344.2	2363.1
22.5°	2234.9	2242.5	2272.6	2302.8	2317.9
25°	2174.6	2182.2	2216.1	2253.8	2272.6
27.5°	2110.6	2121.9	2155.8	2197.2	2219.9
30°	2039.0	2054.0	2095.5	2140.7	2163.3
32.5°	1967.3	1982.4	2027.6	2080.4	2103.0
35°	1895.7	1910.8	1959.8	2012.6	2039.0
37.5°	1816.6	1831.7	1884.4	1941.0	1971.1
40°	1741.2	1756.3	1805.3	1869.4	1895.7
42.5°	1658.3	1673.4	1726.1	1786.4	1816.6
45°	1567.8	1590.5	1643.2	1703.5	1733.7
47.5°	1484.9	1503.8	1552.8	1616.8	1647.0
50°	1398.2	1417.1	1462.3	1526.4	1549.0
52.5°	1311.6	1330.4	1375.6	1435.9	1458.6
55°	1221.1	1240.0	1281.4	1337.9	1356.8
57.5°	1134.4	1149.5	1187.2	1240.0	1255.0
60°	1044.0	1059.1	1089.2	1138.2	1149.5
62.5°	946.0	957.3	991.2	1036.4	1051.5
65°	855.5	863.1	889.5	927.1	930.9
67.5°	761.3	768.8	795.2	821.6	832.9
70°	667.1	678.4	697.2	723.6	731.2
72.5°	576.6	587.9	606.8	629.4	633.2
75°	486.2	497.5	516.3	538.9	538.9
77.5°	399.5	410.8	433.4	452.3	452.3
80°	312.8	331.7	354.3	373.1	373.1
82.5°	241.2	256.3	286.4	301.5	301.5
85°	177.1	196.0	226.1	241.2	237.4
87.5°	128.1	147.0	173.4	184.7	180.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)