

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: P385383

Luminaire Tested: **24ID-75-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385383
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: 24ID-75-L835-CNV
Description: 2X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

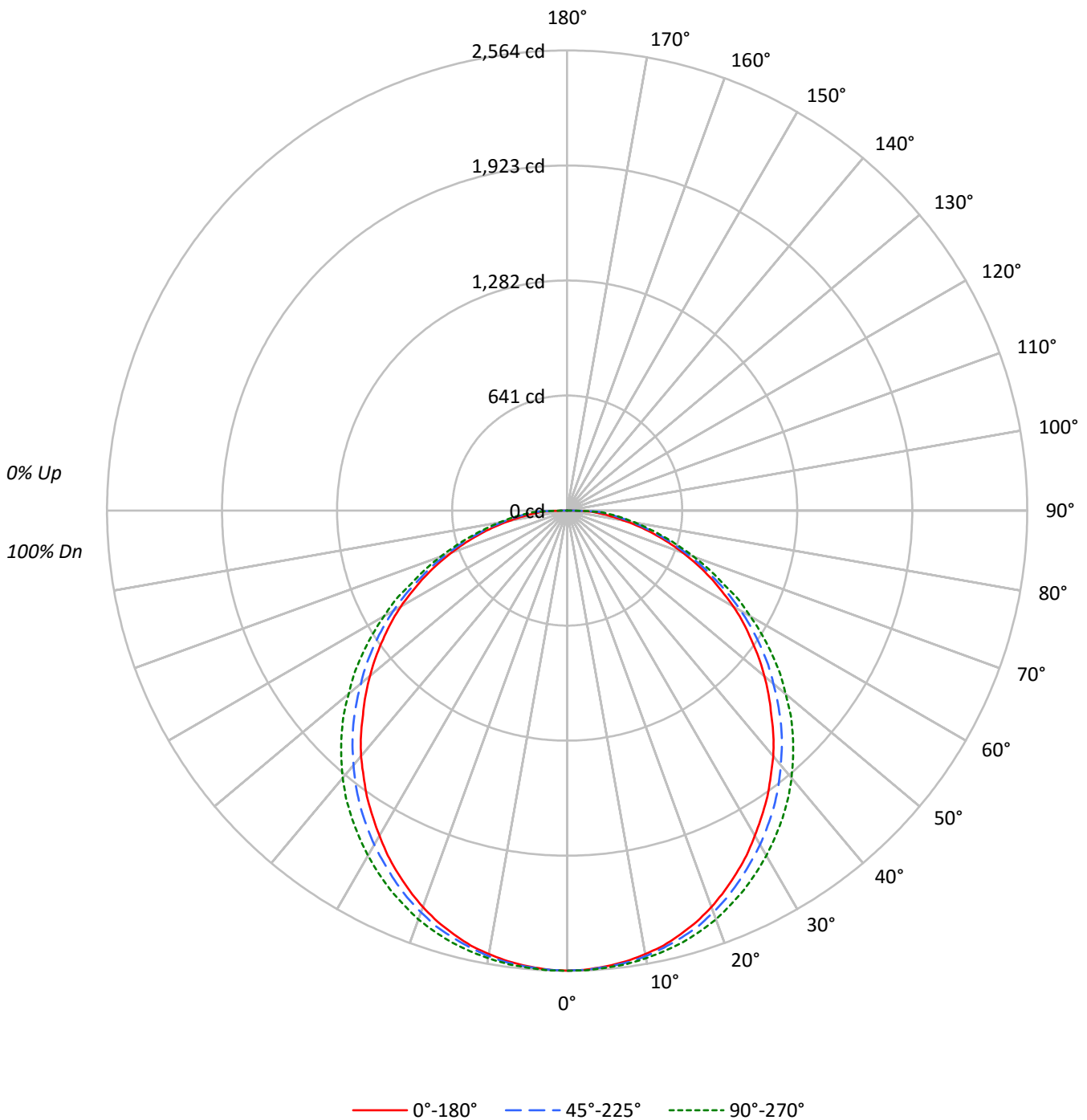
Lumens per Lamp: N/A
Luminaire Lumens: 7435.6 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 70.8
Input Voltage (V): NR
Input Current (A_{in}): 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: P385383
CATALOG NUMBER: 24ID-75-L835-CNV

Luminous Intensity Polar Plot





TEST NUMBER: P385383

CATALOG NUMBER: 24ID-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°	3449	3449	3449
5°	3429	3420	3427
10°	3404	3392	3410
15°	3367	3352	3393
20°	3316	3304	3369
25°	3249	3242	3332
30°	3174	3178	3290
35°	3104	3110	3247
40°	3032	3029	3193
45°	2938	2947	3124
50°	2861	2841	3026
55°	2774	2738	2918
60°	2688	2608	2773
65°	2565	2442	2580
70°	2416	2264	2401
75°	2244	2071	2192
80°	2011	1876	2014
85°	1900	1782	1926



TEST NUMBER: P385383

CATALOG NUMBER: 24ID-75-L835-CNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.6	3.3
10°-20°	695.1	9.3
20°-30°	1049.0	14.1
30°-40°	1259.1	16.9
40°-50°	1303.1	17.5
50°-60°	1180.5	15.9
60°-70°	909.5	12.2
70°-80°	562.8	7.6
80°-90°	233.8	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°	1986.7	26.7
0°-40°	3245.9	43.7
0°-60°	5729.5	77.1
0°-90°	7435.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7435.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2564	2564	2564	2564	2564	
5°	2548	2548	2552	2552	2556	242
15°	2444	2448	2463	2479	2490	689
25°	2231	2239	2274	2312	2332	1028
35°	1945	1960	2011	2065	2092	1216
45°	1609	1632	1686	1748	1779	1244
55°	1253	1272	1315	1373	1392	1122
65°	878	886	912	951	955	868
75°	499	510	530	553	553	528
85°	182	201	232	248	244	196
90°	0	0	0	0	0	



TEST NUMBER: P385383

CATALOG NUMBER: 24ID-75-L835-CNV

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2563.6	2563.6	2563.6	2563.6	2563.6
2.5°	2559.8	2559.8	2559.8	2559.8	2563.6
5°	2548.2	2548.2	2552.0	2552.0	2555.9
7.5°	2532.7	2532.7	2540.4	2540.4	2548.2
10°	2509.5	2513.4	2521.1	2525.0	2532.7
12.5°	2482.4	2482.4	2494.0	2505.6	2513.4
15°	2443.8	2447.6	2463.1	2478.6	2490.2
17.5°	2401.2	2405.1	2428.3	2443.8	2459.2
20°	2351.0	2354.8	2381.9	2405.1	2424.4
22.5°	2293.0	2300.7	2331.6	2362.6	2378.0
25°	2231.1	2238.8	2273.6	2312.3	2331.6
27.5°	2165.4	2177.0	2211.8	2254.3	2277.5
30°	2091.9	2107.4	2149.9	2196.3	2219.5
32.5°	2018.4	2033.9	2080.3	2134.4	2157.6
35°	1945.0	1960.4	2010.7	2064.8	2091.9
37.5°	1863.8	1879.2	1933.4	1991.4	2022.3
40°	1786.4	1801.9	1852.2	1917.9	1945.0
42.5°	1701.4	1716.8	1771.0	1832.8	1863.8
45°	1608.6	1631.8	1685.9	1747.8	1778.7
47.5°	1523.5	1542.8	1593.1	1658.8	1689.8
50°	1434.6	1453.9	1500.3	1566.0	1589.2
52.5°	1345.6	1365.0	1411.4	1473.2	1496.4
55°	1252.8	1272.2	1314.7	1372.7	1392.0
57.5°	1163.9	1179.4	1218.0	1272.2	1287.6
60°	1071.1	1086.6	1117.5	1167.8	1179.4
62.5°	970.6	982.2	1017.0	1063.4	1078.8
65°	877.7	885.5	912.5	951.2	955.1
67.5°	781.1	788.8	815.9	842.9	854.5
70°	684.4	696.0	715.3	742.4	750.1
72.5°	591.6	603.2	622.5	645.7	649.6
75°	498.8	510.4	529.7	552.9	552.9
77.5°	409.9	421.5	444.7	464.0	464.0
80°	320.9	340.3	363.5	382.8	382.8
82.5°	247.5	262.9	293.9	309.3	309.3
85°	181.7	201.1	232.0	247.5	243.6
87.5°	131.5	150.8	177.9	189.5	185.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)