

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: P385331

Luminaire Tested: **22ID-75-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385331
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-75-L835-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

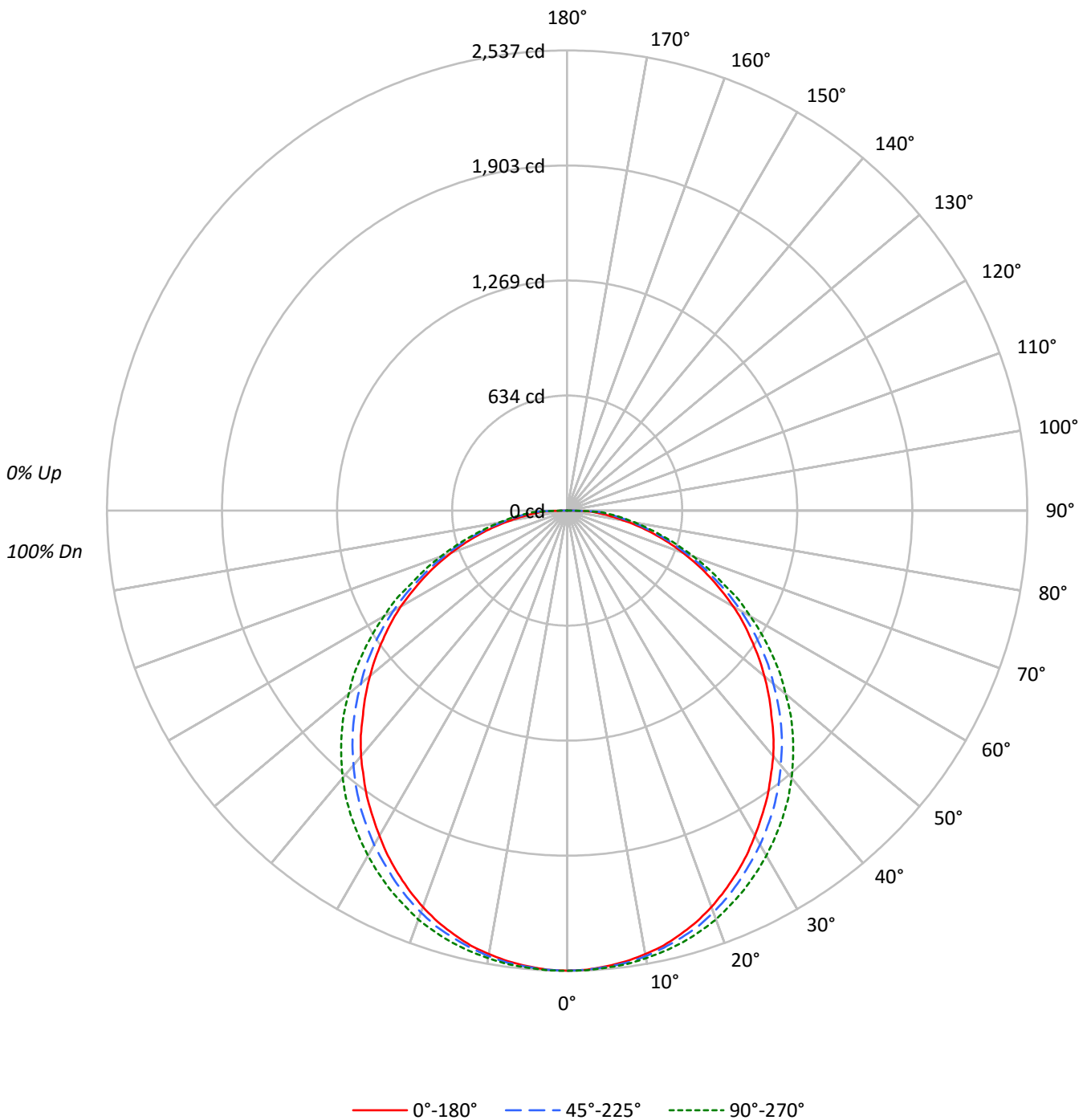
Lumens per Lamp: N/A
Luminaire Lumens: 7358.0 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 65.8
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



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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°	6827	6827	6827
5°	6762	6752	6783
10°	6687	6678	6749
15°	6590	6583	6715
20°	6466	6472	6668
25°	6310	6332	6594
30°	6137	6190	6511
35°	5974	6038	6426
40°	5804	5859	6319
45°	5592	5680	6183
50°	5406	5450	5989
55°	5198	5224	5775
60°	4985	4942	5489
65°	4692	4590	5105
70°	4336	4207	4752
75°	3915	3785	4340
80°	3342	3341	3986
85°	2843	3020	3813



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.0	3.3
10°-20°	687.9	9.3
20°-30°	1038.1	14.1
30°-40°	1246.0	16.9
40°-50°	1289.5	17.5
50°-60°	1168.2	15.9
60°-70°	900.0	12.2
70°-80°	556.9	7.6
80°-90°	231.3	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°	1966.0	26.7
0°-40°	3212.0	43.7
0°-60°	5669.7	77.1
0°-90°	7358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7358.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2537	2537	2537	2537	2537	
5°	2522	2522	2525	2525	2529	240
15°	2418	2422	2437	2453	2464	682
25°	2208	2216	2250	2288	2307	1017
35°	1925	1940	1990	2043	2070	1203
45°	1592	1615	1668	1730	1760	1231
55°	1240	1259	1301	1358	1378	1110
65°	869	876	903	941	945	859
75°	494	505	524	547	547	523
85°	180	199	230	245	241	194
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2536.9	2536.9	2536.9	2536.9	2536.9
2.5°	2533.1	2533.1	2533.1	2533.1	2536.9
5°	2521.6	2521.6	2525.4	2525.4	2529.2
7.5°	2506.3	2506.3	2513.9	2513.9	2521.6
10°	2483.3	2487.1	2494.8	2498.6	2506.3
12.5°	2456.5	2456.5	2468.0	2479.5	2487.1
15°	2418.3	2422.1	2437.4	2452.7	2464.2
17.5°	2376.2	2380.0	2403.0	2418.3	2433.6
20°	2326.4	2330.3	2357.0	2380.0	2399.1
22.5°	2269.0	2276.7	2307.3	2337.9	2353.2
25°	2207.8	2215.5	2249.9	2288.2	2307.3
27.5°	2142.8	2154.3	2188.7	2230.8	2253.7
30°	2070.1	2085.4	2127.5	2173.4	2196.3
32.5°	1997.4	2012.7	2058.6	2112.2	2135.1
35°	1924.7	1940.0	1989.7	2043.3	2070.1
37.5°	1844.3	1859.6	1913.2	1970.6	2001.2
40°	1767.8	1783.1	1832.8	1897.9	1924.7
42.5°	1683.6	1698.9	1752.5	1813.7	1844.3
45°	1591.8	1614.7	1668.3	1729.5	1760.1
47.5°	1507.6	1526.7	1576.5	1641.5	1672.1
50°	1419.6	1438.7	1484.6	1549.7	1572.6
52.5°	1331.6	1350.7	1396.6	1457.9	1480.8
55°	1239.7	1258.9	1301.0	1358.4	1377.5
57.5°	1151.7	1167.0	1205.3	1258.9	1274.2
60°	1059.9	1075.2	1105.8	1155.6	1167.0
62.5°	960.4	971.9	1006.3	1052.3	1067.6
65°	868.6	876.2	903.0	941.3	945.1
67.5°	772.9	780.6	807.4	834.2	845.6
70°	677.3	688.7	707.9	734.7	742.3
72.5°	585.4	596.9	616.0	639.0	642.8
75°	493.6	505.1	524.2	547.2	547.2
77.5°	405.6	417.1	440.0	459.2	459.2
80°	317.6	336.7	359.7	378.8	378.8
82.5°	244.9	260.2	290.8	306.1	306.1
85°	179.8	199.0	229.6	244.9	241.1
87.5°	130.1	149.2	176.0	187.5	183.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)