

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: P385379

Luminaire Tested: **24ID-70-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385379
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-70-L835-CNV
Description: 2X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

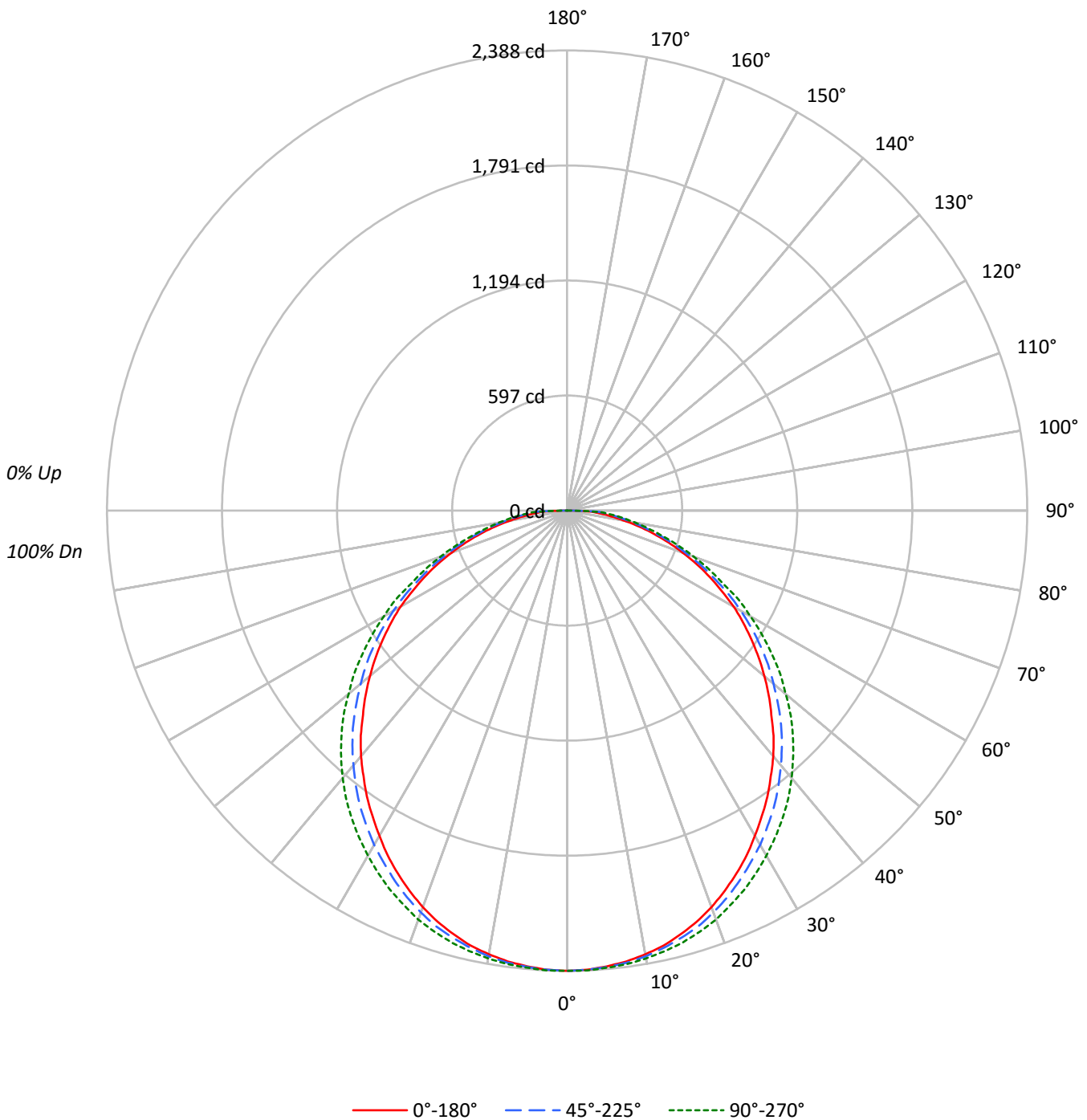
Lumens per Lamp: N/A
Luminaire Lumens: 6927.3 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 65.6
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°	3214	3214	3214
5°	3195	3187	3193
10°	3171	3160	3177
15°	3136	3122	3161
20°	3089	3078	3139
25°	3027	3020	3104
30°	2957	2961	3065
35°	2892	2897	3025
40°	2824	2822	2975
45°	2737	2746	2911
50°	2665	2647	2819
55°	2584	2551	2719
60°	2505	2430	2584
65°	2390	2275	2403
70°	2251	2109	2237
75°	2091	1929	2043
80°	1874	1748	1876
85°	1770	1660	1795



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.0	3.3
10°-20°	647.6	9.3
20°-30°	977.3	14.1
30°-40°	1173.1	16.9
40°-50°	1214.0	17.5
50°-60°	1099.8	15.9
60°-70°	847.4	12.2
70°-80°	524.3	7.6
80°-90°	217.8	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°	1850.9	26.7
0°-40°	3024.0	43.7
0°-60°	5337.8	77.1
0°-90°	6927.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6927.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2388	2388	2388	2388	2388	
5°	2374	2374	2378	2378	2381	226
15°	2277	2280	2295	2309	2320	642
25°	2079	2086	2118	2154	2172	957
35°	1812	1826	1873	1924	1949	1133
45°	1499	1520	1571	1628	1657	1159
55°	1167	1185	1225	1279	1297	1045
65°	818	825	850	886	890	809
75°	465	476	494	515	515	492
85°	169	187	216	231	227	183
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2388.4	2388.4	2388.4	2388.4	2388.4
2.5°	2384.8	2384.8	2384.8	2384.8	2388.4
5°	2374.0	2374.0	2377.6	2377.6	2381.2
7.5°	2359.6	2359.6	2366.8	2366.8	2374.0
10°	2338.0	2341.6	2348.8	2352.4	2359.6
12.5°	2312.7	2312.7	2323.5	2334.4	2341.6
15°	2276.7	2280.3	2294.7	2309.1	2319.9
17.5°	2237.1	2240.7	2262.3	2276.7	2291.1
20°	2190.3	2193.9	2219.1	2240.7	2258.7
22.5°	2136.2	2143.4	2172.2	2201.1	2215.5
25°	2078.6	2085.8	2118.2	2154.2	2172.2
27.5°	2017.3	2028.2	2060.6	2100.2	2121.8
30°	1948.9	1963.3	2002.9	2046.2	2067.8
32.5°	1880.5	1894.9	1938.1	1988.5	2010.1
35°	1812.0	1826.4	1873.2	1923.7	1948.9
37.5°	1736.4	1750.8	1801.2	1855.2	1884.1
40°	1664.3	1678.7	1725.6	1786.8	1812.0
42.5°	1585.1	1599.5	1649.9	1707.5	1736.4
45°	1498.6	1520.2	1570.6	1628.3	1657.1
47.5°	1419.3	1437.4	1484.2	1545.4	1574.2
50°	1336.5	1354.5	1397.7	1459.0	1480.6
52.5°	1253.6	1271.6	1314.9	1372.5	1394.1
55°	1167.2	1185.2	1224.8	1278.9	1296.9
57.5°	1084.3	1098.7	1134.8	1185.2	1199.6
60°	997.9	1012.3	1041.1	1087.9	1098.7
62.5°	904.2	915.0	947.4	990.7	1005.1
65°	817.7	825.0	850.2	886.2	889.8
67.5°	727.7	734.9	760.1	785.3	796.1
70°	637.6	648.4	666.4	691.7	698.9
72.5°	551.2	562.0	580.0	601.6	605.2
75°	464.7	475.5	493.5	515.1	515.1
77.5°	381.9	392.7	414.3	432.3	432.3
80°	299.0	317.0	338.6	356.6	356.6
82.5°	230.6	245.0	273.8	288.2	288.2
85°	169.3	187.3	216.1	230.6	227.0
87.5°	122.5	140.5	165.7	176.5	172.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)