

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: P385375

Luminaire Tested: **24ID-65-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385375
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-65-L835-CNV
Description: 2X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

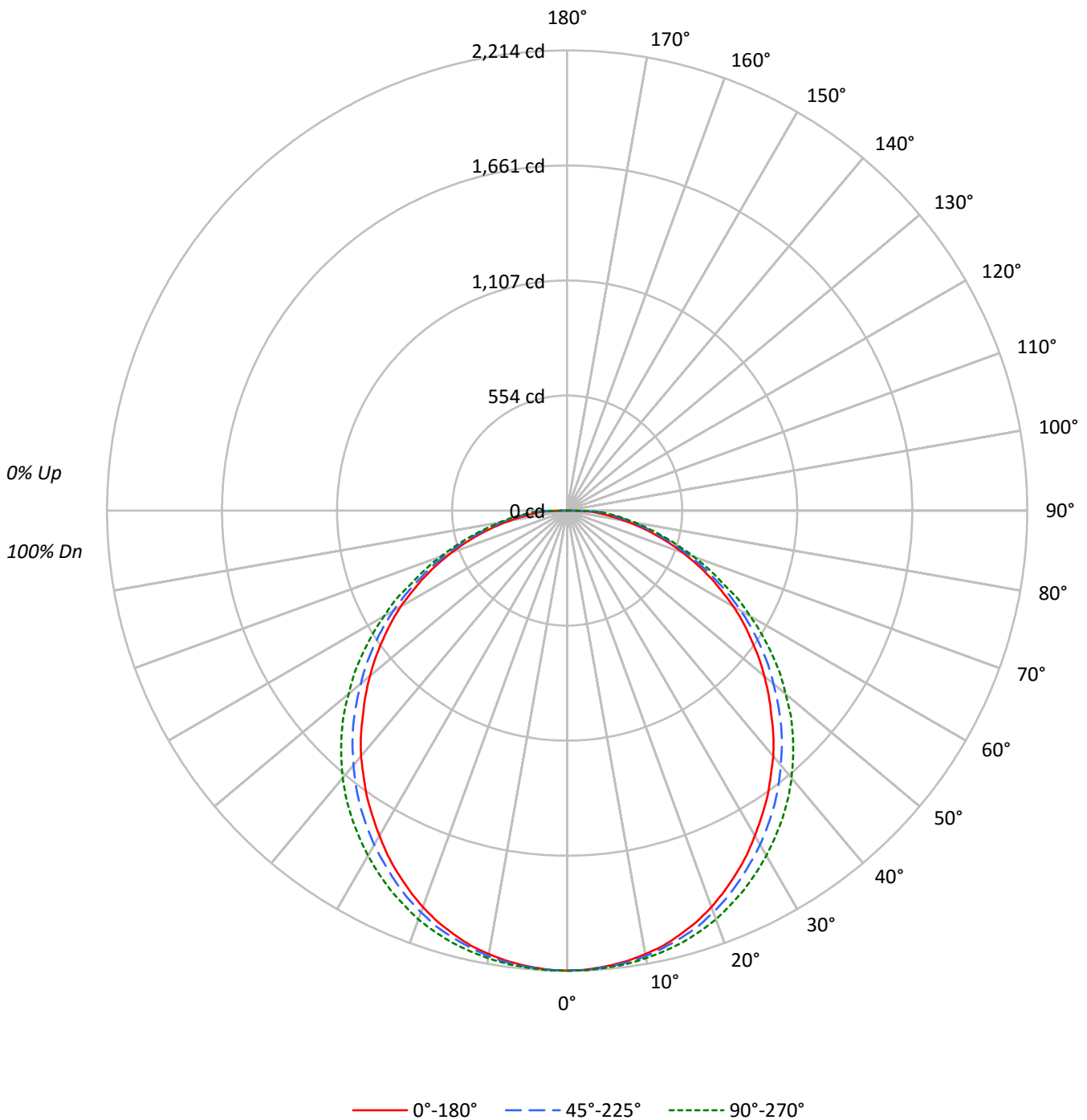
Lumens per Lamp: N/A
Luminaire Lumens: 6420.6 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 60.5
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°	2979	2979	2979
5°	2961	2954	2959
10°	2939	2929	2945
15°	2907	2894	2930
20°	2863	2853	2909
25°	2806	2799	2877
30°	2740	2744	2841
35°	2680	2686	2803
40°	2618	2615	2757
45°	2537	2545	2698
50°	2470	2453	2613
55°	2395	2364	2520
60°	2321	2252	2395
65°	2215	2109	2228
70°	2086	1955	2073
75°	1938	1788	1893
80°	1737	1620	1739
85°	1641	1538	1664



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.5	3.3
10°-20°	600.3	9.3
20°-30°	905.8	14.1
30°-40°	1087.3	16.9
40°-50°	1125.2	17.5
50°-60°	1019.4	15.9
60°-70°	785.4	12.2
70°-80°	486.0	7.6
80°-90°	201.8	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°	1715.6	26.7
0°-40°	2802.8	43.7
0°-60°	4947.4	77.1
0°-90°	6420.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6420.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2214	2214	2214	2214	2214	
5°	2200	2200	2204	2204	2207	209
15°	2110	2114	2127	2140	2150	595
25°	1926	1933	1963	1997	2013	887
35°	1680	1693	1736	1783	1806	1050
45°	1389	1409	1456	1509	1536	1074
55°	1082	1098	1135	1185	1202	969
65°	758	765	788	821	825	749
75°	431	441	457	478	478	456
85°	157	174	200	214	210	170
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2213.7	2213.7	2213.7	2213.7	2213.7
2.5°	2210.4	2210.4	2210.4	2210.4	2213.7
5°	2200.3	2200.3	2203.7	2203.7	2207.0
7.5°	2187.0	2187.0	2193.7	2193.7	2200.3
10°	2166.9	2170.3	2177.0	2180.3	2187.0
12.5°	2143.6	2143.6	2153.6	2163.6	2170.3
15°	2110.2	2113.5	2126.9	2140.2	2150.3
17.5°	2073.5	2076.8	2096.8	2110.2	2123.5
20°	2030.1	2033.4	2056.8	2076.8	2093.5
22.5°	1980.0	1986.6	2013.4	2040.1	2053.4
25°	1926.5	1933.2	1963.3	1996.7	2013.4
27.5°	1869.8	1879.8	1909.9	1946.6	1966.6
30°	1806.3	1819.7	1856.4	1896.5	1916.5
32.5°	1742.9	1756.3	1796.3	1843.1	1863.1
35°	1679.5	1692.8	1736.2	1783.0	1806.3
37.5°	1609.4	1622.7	1669.5	1719.5	1746.2
40°	1542.6	1555.9	1599.3	1656.1	1679.5
42.5°	1469.1	1482.5	1529.2	1582.6	1609.4
45°	1389.0	1409.0	1455.8	1509.2	1535.9
47.5°	1315.5	1332.2	1375.6	1432.4	1459.1
50°	1238.7	1255.4	1295.5	1352.3	1372.3
52.5°	1161.9	1178.6	1218.7	1272.1	1292.2
55°	1081.8	1098.5	1135.2	1185.3	1202.0
57.5°	1005.0	1018.4	1051.8	1098.5	1111.9
60°	924.9	938.2	964.9	1008.3	1018.4
62.5°	838.1	848.1	878.1	918.2	931.6
65°	757.9	764.6	788.0	821.4	824.7
67.5°	674.5	681.1	704.5	727.9	737.9
70°	591.0	601.0	617.7	641.1	647.7
72.5°	510.9	520.9	537.6	557.6	560.9
75°	430.7	440.7	457.4	477.5	477.5
77.5°	353.9	363.9	384.0	400.7	400.7
80°	277.1	293.8	313.9	330.6	330.6
82.5°	213.7	227.0	253.8	267.1	267.1
85°	156.9	173.6	200.3	213.7	210.4
87.5°	113.5	130.2	153.6	163.6	160.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)