

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: P385325

Luminaire Tested: **22ID-65-L850-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385325
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-65-L850-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

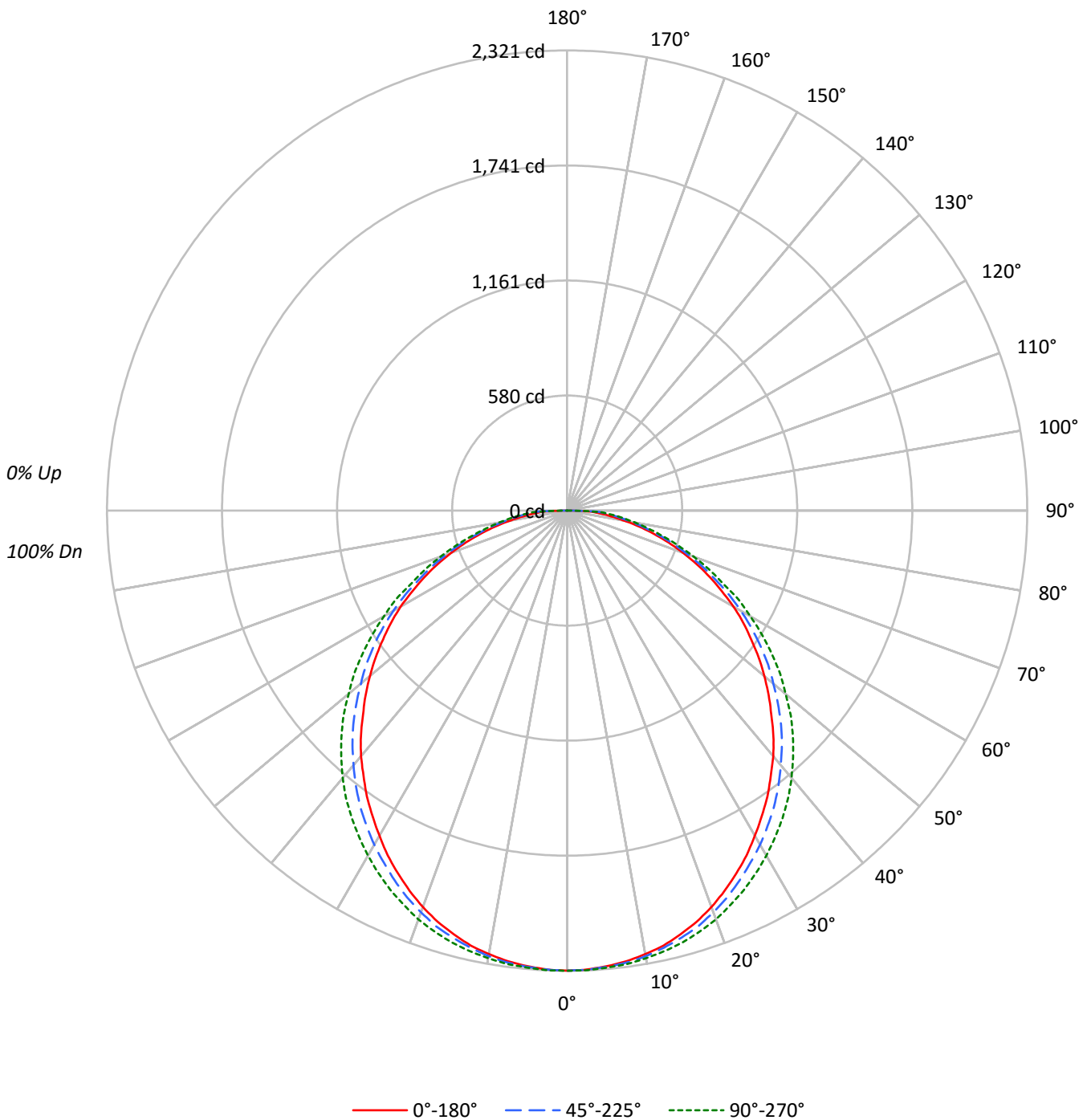
Lumens per Lamp: N/A
Luminaire Lumens: 6731.0 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 56.6
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



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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°	6245	6245	6245
5°	6186	6177	6205
10°	6118	6109	6174
15°	6028	6022	6143
20°	5915	5921	6100
25°	5773	5793	6033
30°	5614	5662	5957
35°	5465	5524	5878
40°	5309	5360	5781
45°	5115	5195	5656
50°	4945	4985	5478
55°	4755	4779	5283
60°	4560	4521	5021
65°	4292	4199	4671
70°	3967	3849	4348
75°	3581	3463	3969
80°	3057	3056	3646
85°	2601	2763	3487



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.6	3.3
10°-20°	629.3	9.3
20°-30°	949.6	14.1
30°-40°	1139.8	16.9
40°-50°	1179.6	17.5
50°-60°	1068.6	15.9
60°-70°	823.4	12.2
70°-80°	509.4	7.6
80°-90°	211.6	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°	1798.5	26.7
0°-40°	2938.3	43.7
0°-60°	5186.6	77.1
0°-90°	6731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2321	2321	2321	2321	2321	
5°	2307	2307	2310	2310	2314	219
15°	2212	2216	2230	2244	2254	624
25°	2020	2027	2058	2093	2111	930
35°	1761	1775	1820	1869	1894	1101
45°	1456	1477	1526	1582	1610	1126
55°	1134	1152	1190	1243	1260	1015
65°	795	802	826	861	865	786
75°	452	462	480	500	500	478
85°	164	182	210	224	220	178
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2320.7	2320.7	2320.7	2320.7	2320.7
2.5°	2317.2	2317.2	2317.2	2317.2	2320.7
5°	2306.7	2306.7	2310.2	2310.2	2313.7
7.5°	2292.7	2292.7	2299.7	2299.7	2306.7
10°	2271.7	2275.2	2282.2	2285.7	2292.7
12.5°	2247.2	2247.2	2257.7	2268.2	2275.2
15°	2212.2	2215.7	2229.7	2243.7	2254.2
17.5°	2173.7	2177.2	2198.2	2212.2	2226.2
20°	2128.2	2131.7	2156.2	2177.2	2194.7
22.5°	2075.7	2082.7	2110.7	2138.7	2152.7
25°	2019.7	2026.7	2058.2	2093.2	2110.7
27.5°	1960.2	1970.7	2002.2	2040.7	2061.7
30°	1893.7	1907.7	1946.2	1988.2	2009.2
32.5°	1827.2	1841.2	1883.2	1932.2	1953.2
35°	1760.7	1774.7	1820.2	1869.2	1893.7
37.5°	1687.2	1701.2	1750.2	1802.7	1830.7
40°	1617.1	1631.1	1676.7	1736.2	1760.7
42.5°	1540.1	1554.1	1603.1	1659.2	1687.2
45°	1456.1	1477.1	1526.1	1582.1	1610.1
47.5°	1379.1	1396.6	1442.1	1501.6	1529.6
50°	1298.6	1316.1	1358.1	1417.6	1438.6
52.5°	1218.1	1235.6	1277.6	1333.6	1354.6
55°	1134.1	1151.6	1190.1	1242.6	1260.1
57.5°	1053.6	1067.6	1102.6	1151.6	1165.6
60°	969.6	983.6	1011.6	1057.1	1067.6
62.5°	878.6	889.1	920.6	962.6	976.6
65°	794.6	801.6	826.1	861.1	864.6
67.5°	707.1	714.1	738.6	763.1	773.6
70°	619.6	630.1	647.6	672.1	679.1
72.5°	535.5	546.0	563.6	584.6	588.1
75°	451.5	462.0	479.5	500.5	500.5
77.5°	371.0	381.5	402.5	420.0	420.0
80°	290.5	308.0	329.0	346.5	346.5
82.5°	224.0	238.0	266.0	280.0	280.0
85°	164.5	182.0	210.0	224.0	220.5
87.5°	119.0	136.5	161.0	171.5	168.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)