

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: P385377

Luminaire Tested: **24ID-65-L850-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385377
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-L850-CNV
Description: 2X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

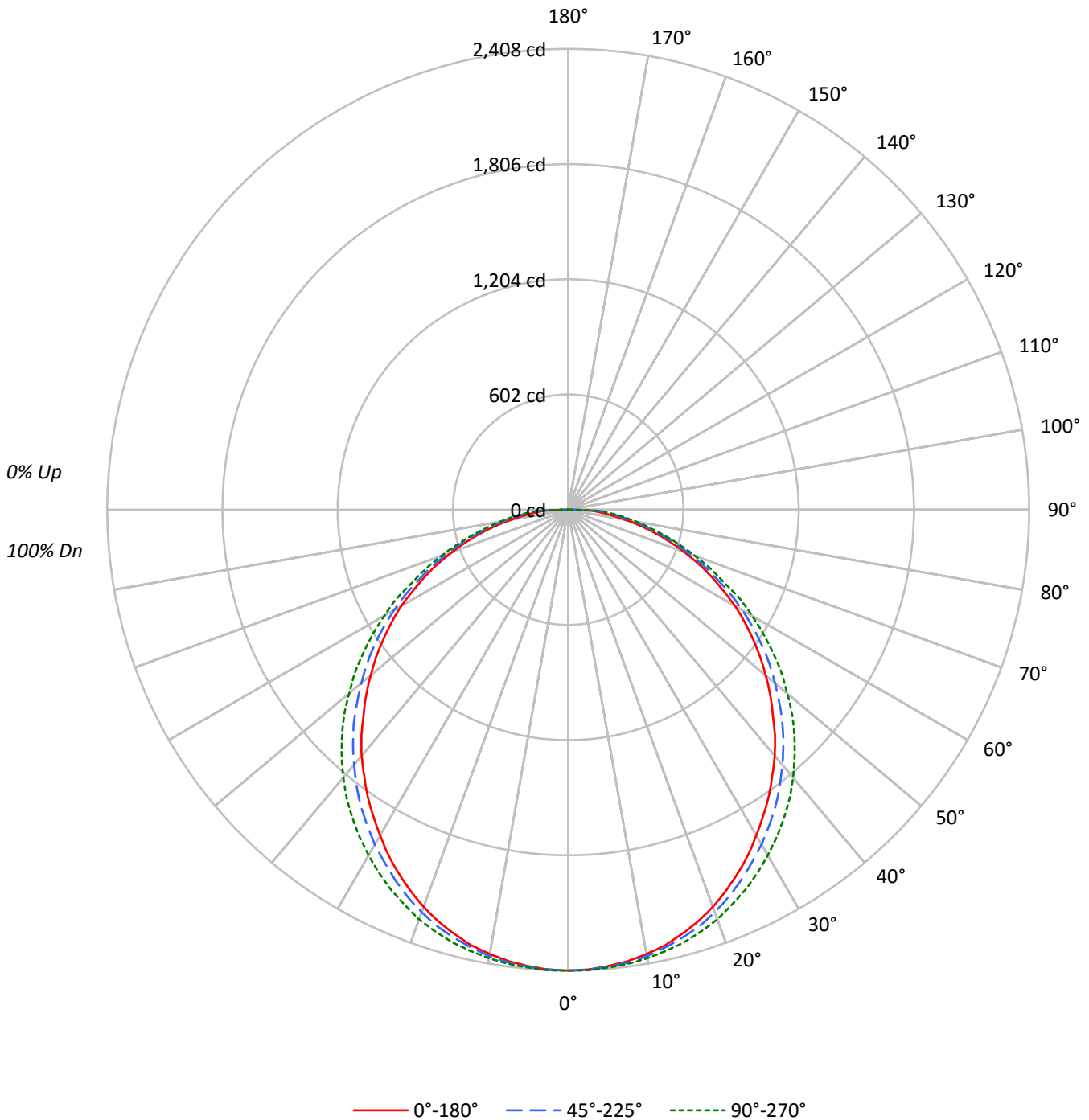
Lumens per Lamp: N/A
Luminaire Lumens: 6985.5 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 63.6
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	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					100			
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82					82			
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68					68			
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57					57			
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26					26			
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3241	3241	3241
5°	3222	3213	3220
10°	3198	3186	3204
15°	3163	3149	3187
20°	3115	3104	3165
25°	3052	3046	3130
30°	2982	2986	3091
35°	2916	2922	3050
40°	2848	2845	3000
45°	2761	2769	2935
50°	2688	2669	2843
55°	2606	2573	2742
60°	2525	2450	2606
65°	2410	2294	2424
70°	2270	2127	2256
75°	2108	1946	2060
80°	1890	1763	1892
85°	1785	1674	1810



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.9	3.3
10°-20°	653.1	9.3
20°-30°	985.5	14.1
30°-40°	1182.9	16.9
40°-50°	1224.2	17.5
50°-60°	1109.1	15.9
60°-70°	854.5	12.2
70°-80°	528.7	7.6
80°-90°	219.6	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°	1866.5	26.7
0°-40°	3049.4	43.7
0°-60°	5382.7	77.1
0°-90°	6985.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6985.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2408	2408	2408	2408	2408	
5°	2394	2394	2398	2398	2401	227
15°	2296	2300	2314	2328	2339	647
25°	2096	2103	2136	2172	2190	965
35°	1827	1842	1889	1940	1965	1142
45°	1511	1533	1584	1642	1671	1169
55°	1177	1195	1235	1290	1308	1054
65°	825	832	857	894	897	815
75°	469	480	498	520	520	496
85°	171	189	218	232	229	184
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2408.5	2408.5	2408.5	2408.5	2408.5
2.5°	2404.8	2404.8	2404.8	2404.8	2408.5
5°	2393.9	2393.9	2397.6	2397.6	2401.2
7.5°	2379.4	2379.4	2386.7	2386.7	2393.9
10°	2357.6	2361.2	2368.5	2372.1	2379.4
12.5°	2332.2	2332.2	2343.1	2354.0	2361.2
15°	2295.8	2299.5	2314.0	2328.5	2339.4
17.5°	2255.9	2259.5	2281.3	2295.8	2310.4
20°	2208.7	2212.3	2237.7	2259.5	2277.7
22.5°	2154.2	2161.4	2190.5	2219.6	2234.1
25°	2096.0	2103.3	2136.0	2172.3	2190.5
27.5°	2034.3	2045.2	2077.9	2117.8	2139.6
30°	1965.3	1979.8	2019.8	2063.4	2085.2
32.5°	1896.3	1910.8	1954.4	2005.2	2027.0
35°	1827.2	1841.8	1889.0	1939.8	1965.3
37.5°	1750.9	1765.5	1816.3	1870.8	1899.9
40°	1678.3	1692.8	1740.0	1801.8	1827.2
42.5°	1598.4	1612.9	1663.8	1721.9	1750.9
45°	1511.2	1533.0	1583.8	1642.0	1671.0
47.5°	1431.3	1449.4	1496.7	1558.4	1587.5
50°	1347.7	1365.9	1409.5	1471.2	1493.0
52.5°	1264.2	1282.3	1325.9	1384.0	1405.8
55°	1177.0	1195.1	1235.1	1289.6	1307.8
57.5°	1093.4	1108.0	1144.3	1195.1	1209.7
60°	1006.2	1020.8	1049.8	1097.1	1108.0
62.5°	911.8	922.7	955.4	999.0	1013.5
65°	824.6	831.9	857.3	893.6	897.3
67.5°	733.8	741.1	766.5	791.9	802.8
70°	643.0	653.9	672.0	697.5	704.7
72.5°	555.8	566.7	584.9	606.7	610.3
75°	468.6	479.5	497.7	519.5	519.5
77.5°	385.1	396.0	417.8	435.9	435.9
80°	301.5	319.7	341.5	359.6	359.6
82.5°	232.5	247.0	276.1	290.6	290.6
85°	170.7	188.9	218.0	232.5	228.9
87.5°	123.5	141.7	167.1	178.0	174.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)