

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: P385153

Luminaire Tested: **22ID-60-L850-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-60-L850-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

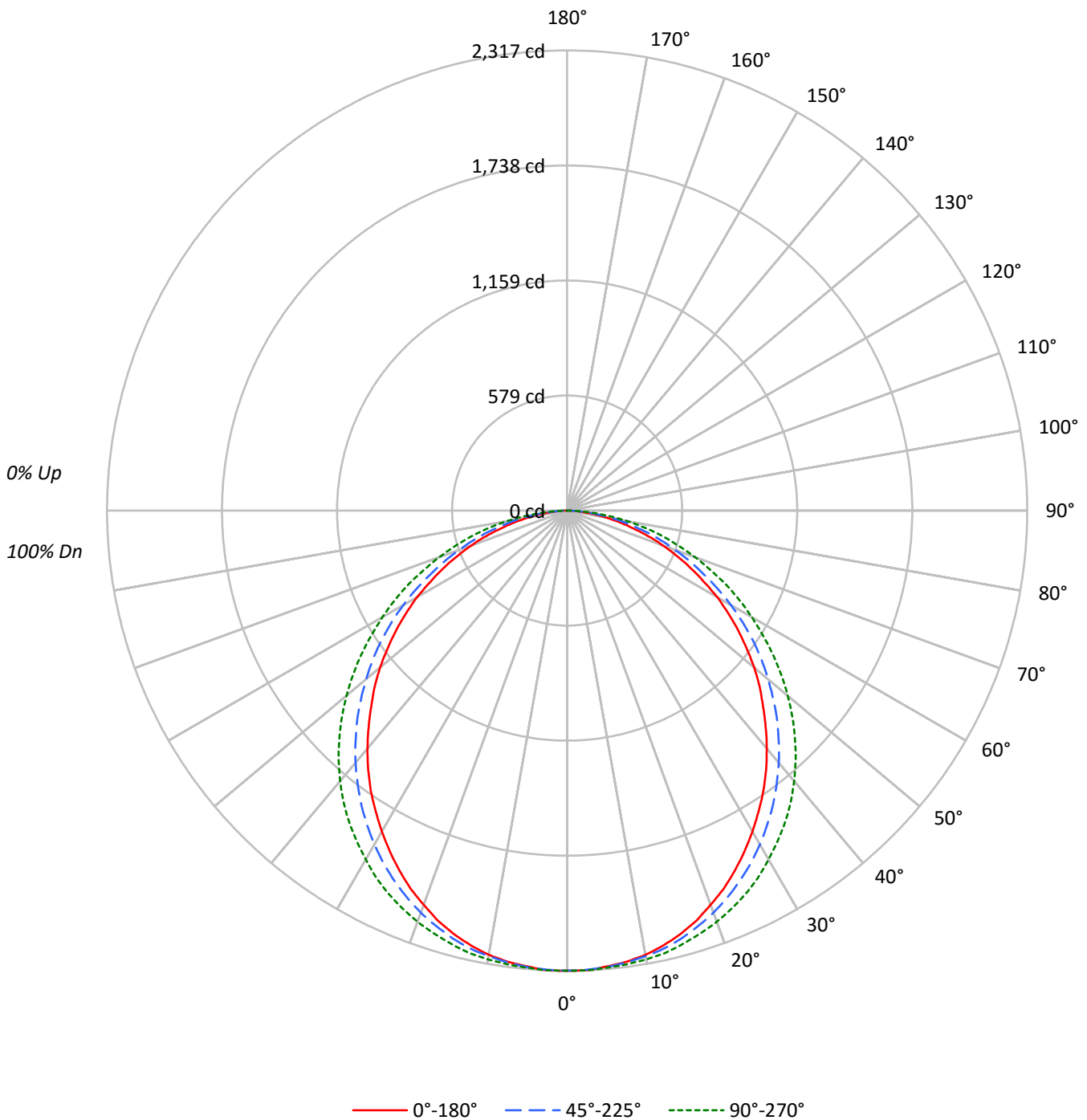
Lumens per Lamp: N/A
Luminaire Lumens: 6433.1 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 51.4
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



TEST NUMBER: P385153
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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	109	104	100	96	106	102	98	94	98	94	91		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47		58	51	46		56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41		52	46	41		51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36		48	41	36		46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32		44	37	32		43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29		40	34	29		39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27		37	31	26		37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6235	6235	6235
5°	6224	6232	6241
10°	6207	6225	6269
15°	6147	6211	6292
20°	6050	6170	6310
25°	5935	6109	6321
30°	5798	6030	6302
35°	5661	5938	6290
40°	5494	5825	6247
45°	5310	5693	6175
50°	5149	5529	6072
55°	4933	5359	5938
60°	4698	5134	5781
65°	4381	4835	5621
70°	4034	4544	5387
75°	3577	4217	5162
80°	3017	3772	4778
85°	2205	2905	3807



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.3	3.4
10°-20°	629.2	9.8
20°-30°	949.0	14.8
30°-40°	1132.9	17.6
40°-50°	1157.9	18.0
50°-60°	1026.7	16.0
60°-70°	765.4	11.9
70°-80°	437.2	6.8
80°-90°	115.3	1.8
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°	1797.5	27.9
0°-40°	2930.5	45.6
0°-60°	5115.1	79.5
0°-90°	6433.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6433.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2317	2317	2317	2317	2317	
5°	2304	2304	2307	2307	2310	219
15°	2207	2213	2229	2249	2259	622
25°	1999	2015	2057	2103	2129	920
35°	1723	1746	1808	1879	1915	1076
45°	1395	1425	1496	1577	1622	1078
55°	1051	1071	1142	1223	1266	939
65°	688	704	759	837	883	682
75°	344	360	406	467	496	367
85°	71	75	94	117	123	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2317.0	2317.0	2317.0	2317.0	2317.0
2.5°	2317.0	2313.7	2313.7	2313.7	2317.0
5°	2304.0	2304.0	2307.2	2307.2	2310.5
7.5°	2291.0	2291.0	2294.3	2297.5	2304.0
10°	2271.5	2271.5	2278.0	2287.8	2294.3
12.5°	2242.3	2245.6	2258.6	2271.5	2281.3
15°	2206.6	2213.1	2229.4	2248.8	2258.6
17.5°	2164.5	2170.9	2193.7	2219.6	2232.6
20°	2112.5	2125.5	2154.7	2187.2	2203.4
22.5°	2060.6	2073.6	2109.3	2148.2	2167.7
25°	1999.0	2015.2	2057.4	2102.8	2128.8
27.5°	1934.1	1953.5	2002.2	2054.1	2083.3
30°	1865.9	1888.6	1940.6	1999.0	2028.2
32.5°	1794.5	1817.2	1875.6	1940.6	1973.0
35°	1723.1	1745.8	1807.5	1878.9	1914.6
37.5°	1645.2	1668.0	1732.9	1810.7	1849.7
40°	1564.1	1590.1	1658.2	1736.1	1778.3
42.5°	1479.8	1509.0	1577.1	1661.5	1703.7
45°	1395.4	1424.6	1496.0	1577.1	1622.5
47.5°	1314.3	1337.0	1408.4	1492.7	1538.2
50°	1229.9	1249.4	1320.7	1405.1	1450.5
52.5°	1139.0	1165.0	1233.1	1317.5	1359.7
55°	1051.4	1070.9	1142.3	1223.4	1265.6
57.5°	960.5	980.0	1048.2	1129.3	1168.2
60°	872.9	892.4	954.0	1035.2	1074.1
62.5°	775.6	795.0	856.7	941.1	980.0
65°	688.0	704.2	759.3	837.2	882.7
67.5°	600.3	616.6	668.5	743.1	778.8
70°	512.7	525.7	577.6	645.8	684.7
72.5°	428.3	441.3	493.3	554.9	587.4
75°	344.0	360.2	405.6	467.3	496.5
77.5°	266.1	282.3	321.3	376.4	402.4
80°	194.7	207.7	243.4	285.6	308.3
82.5°	129.8	139.5	165.5	201.2	217.4
85°	71.4	74.6	94.1	116.8	123.3
87.5°	29.2	29.2	35.7	38.9	42.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)