

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: P385097

Luminaire Tested: **14ID-60-L850-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385097
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: 14ID-60-L850-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

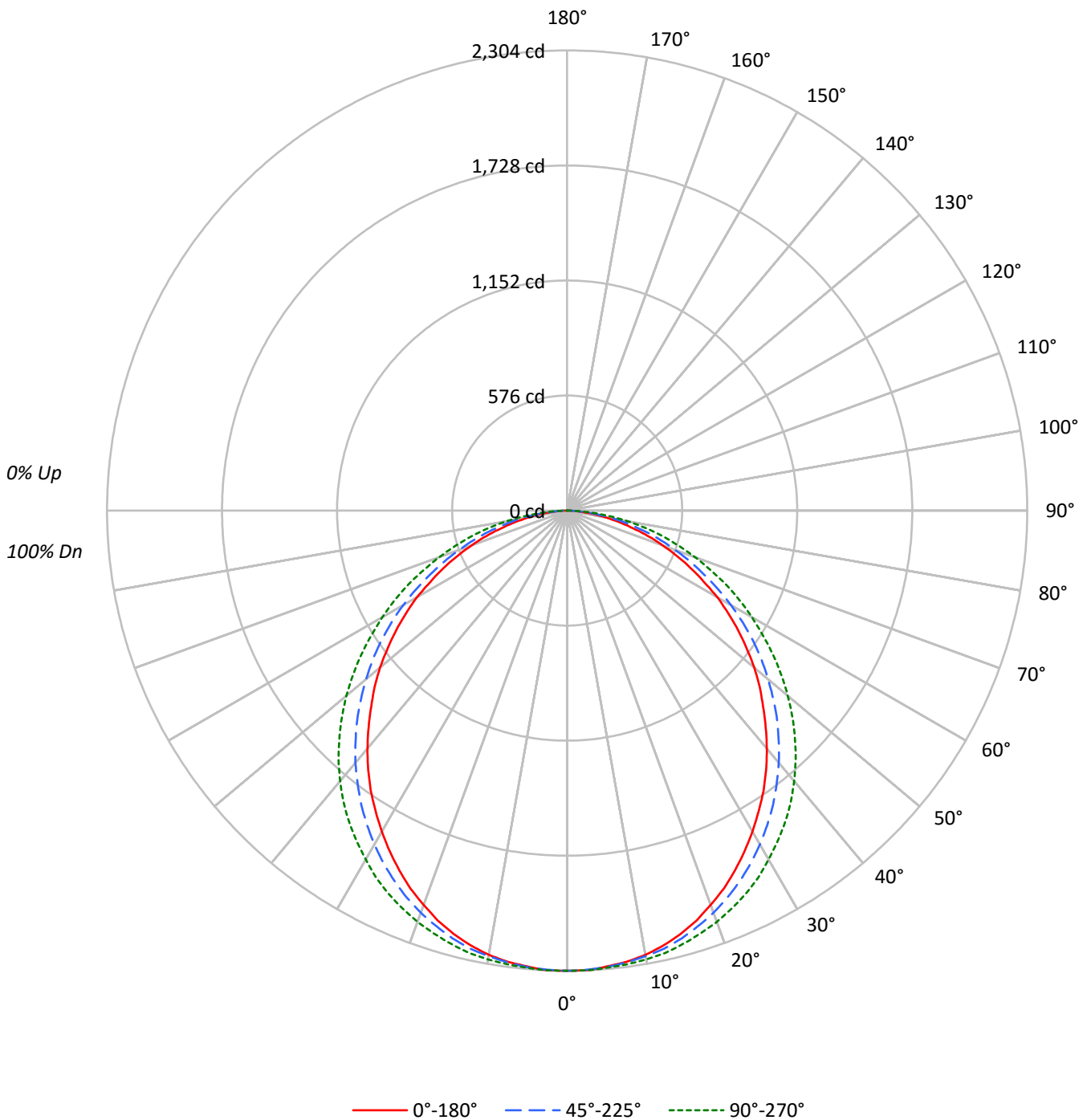
Lumens per Lamp: N/A
Luminaire Lumens: 6397.4 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.3
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	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°	6200	6200	6200
5°	6189	6198	6207
10°	6172	6190	6234
15°	6113	6176	6257
20°	6016	6136	6275
25°	5902	6075	6286
30°	5766	5996	6267
35°	5629	5905	6255
40°	5464	5793	6212
45°	5281	5662	6140
50°	5120	5498	6039
55°	4906	5329	5905
60°	4672	5106	5749
65°	4356	4808	5589
70°	4012	4519	5357
75°	3557	4194	5133
80°	3000	3750	4751
85°	2192	2890	3785



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.1	3.4
10°-20°	625.7	9.8
20°-30°	943.7	14.8
30°-40°	1126.7	17.6
40°-50°	1151.5	18.0
50°-60°	1021.0	16.0
60°-70°	761.1	11.9
70°-80°	434.8	6.8
80°-90°	114.7	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°	1787.5	27.9
0°-40°	2914.2	45.6
0°-60°	5086.7	79.5
0°-90°	6397.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6397.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2304	2304	2304	2304	2304	
5°	2291	2291	2294	2294	2298	218
15°	2194	2201	2217	2236	2246	618
25°	1988	2004	2046	2091	2117	915
35°	1714	1736	1798	1868	1904	1071
45°	1388	1417	1488	1568	1614	1072
55°	1046	1065	1136	1217	1259	934
65°	684	700	755	833	878	678
75°	342	358	403	465	494	365
85°	71	74	94	116	123	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2304.1	2304.1	2304.1	2304.1	2304.1
2.5°	2304.1	2300.9	2300.9	2300.9	2304.1
5°	2291.2	2291.2	2294.4	2294.4	2297.7
7.5°	2278.3	2278.3	2281.5	2284.8	2291.2
10°	2258.9	2258.9	2265.4	2275.1	2281.5
12.5°	2229.9	2233.1	2246.0	2258.9	2268.6
15°	2194.4	2200.9	2217.0	2236.4	2246.0
17.5°	2152.4	2158.9	2181.5	2207.3	2220.2
20°	2100.8	2113.7	2142.8	2175.0	2191.2
22.5°	2049.2	2062.1	2097.6	2136.3	2155.7
25°	1987.9	2004.0	2046.0	2091.1	2117.0
27.5°	1923.3	1942.7	1991.1	2042.7	2071.8
30°	1855.6	1878.1	1929.8	1987.9	2016.9
32.5°	1784.6	1807.2	1865.2	1929.8	1962.1
35°	1713.6	1736.2	1797.5	1868.5	1904.0
37.5°	1636.1	1658.7	1723.2	1800.7	1839.4
40°	1555.4	1581.3	1649.0	1726.5	1768.4
42.5°	1471.5	1500.6	1568.4	1652.3	1694.2
45°	1387.6	1416.7	1487.7	1568.4	1613.5
47.5°	1307.0	1329.5	1400.5	1484.4	1529.6
50°	1223.1	1242.4	1313.4	1397.3	1442.5
52.5°	1132.7	1158.5	1226.3	1310.2	1352.1
55°	1045.6	1064.9	1135.9	1216.6	1258.6
57.5°	955.2	974.6	1042.3	1123.0	1161.7
60°	868.1	887.4	948.8	1029.4	1068.2
62.5°	771.3	790.6	851.9	935.8	974.6
65°	684.1	700.3	755.1	832.6	877.8
67.5°	597.0	613.1	664.8	739.0	774.5
70°	509.9	522.8	574.4	642.2	680.9
72.5°	426.0	438.9	490.5	551.8	584.1
75°	342.1	358.2	403.4	464.7	493.7
77.5°	264.6	280.8	319.5	374.3	400.2
80°	193.6	206.5	242.0	284.0	306.6
82.5°	129.1	138.8	164.6	200.1	216.2
85°	71.0	74.2	93.6	116.2	122.6
87.5°	29.0	29.0	35.5	38.7	42.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)