

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: P385094

Luminaire Tested: **14ID-60-L830-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385094
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-L830-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

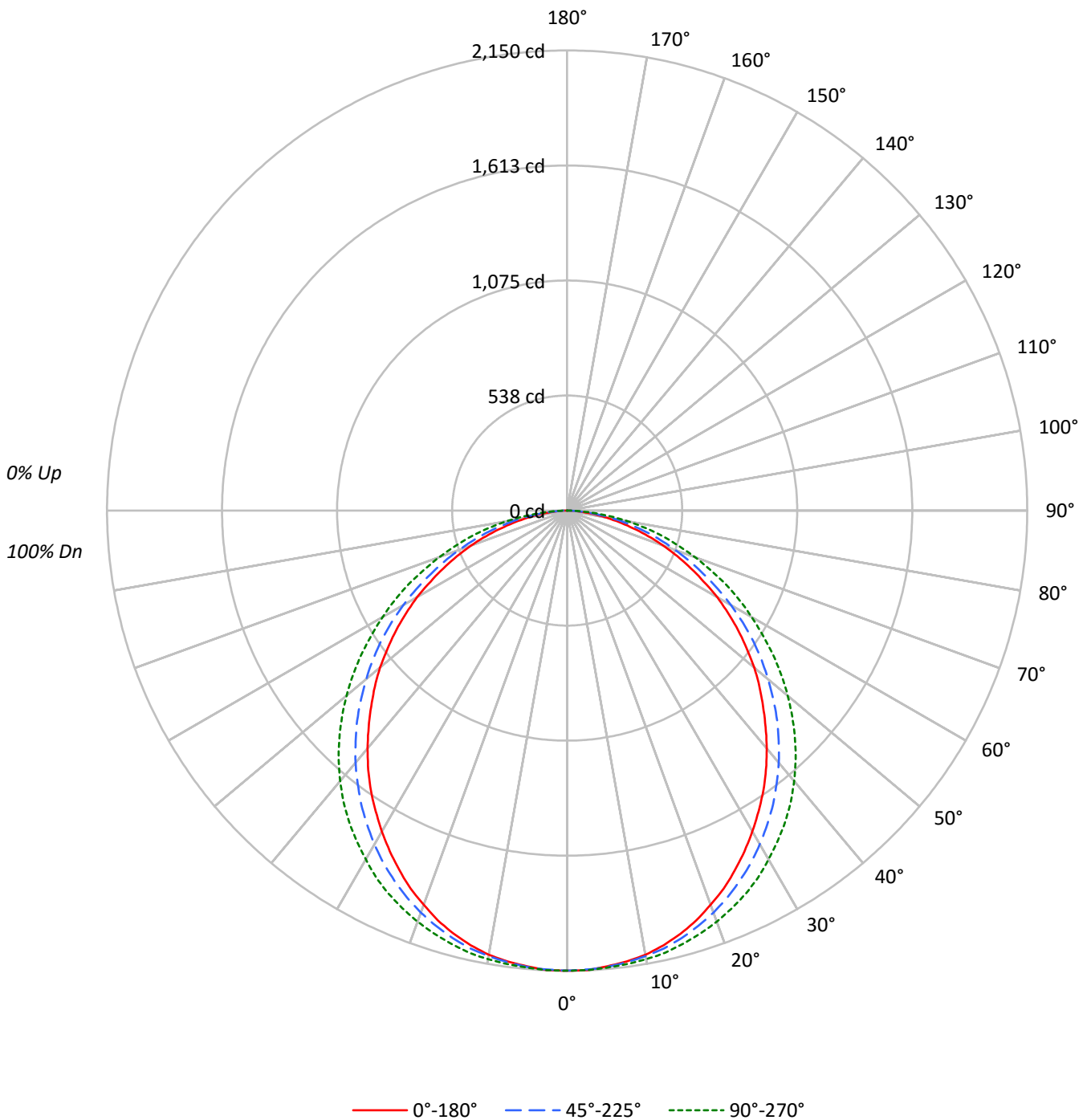
Lumens per Lamp: N/A
Luminaire Lumens: 5968.1 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.3
Input Voltage (V): NR
Input Current (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	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°	5784	5784	5784
5°	5774	5782	5790
10°	5758	5775	5816
15°	5703	5762	5837
20°	5612	5724	5854
25°	5506	5667	5864
30°	5379	5594	5847
35°	5252	5509	5835
40°	5097	5404	5795
45°	4926	5281	5729
50°	4777	5130	5634
55°	4576	4972	5508
60°	4358	4764	5363
65°	4064	4486	5214
70°	3743	4216	4998
75°	3318	3912	4789
80°	2799	3499	4432
85°	2044	2695	3532



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.5	3.4
10°-20°	583.7	9.8
20°-30°	880.4	14.8
30°-40°	1051.1	17.6
40°-50°	1074.2	18.0
50°-60°	952.5	16.0
60°-70°	710.1	11.9
70°-80°	405.6	6.8
80°-90°	107.0	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°	1667.6	27.9
0°-40°	2718.7	45.6
0°-60°	4745.4	79.5
0°-90°	5968.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5968.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2150	2150	2150	2150	2150	
5°	2138	2138	2140	2140	2144	203
15°	2047	2053	2068	2086	2095	577
25°	1854	1870	1909	1951	1975	854
35°	1599	1620	1677	1743	1776	999
45°	1294	1322	1388	1463	1505	1000
55°	975	994	1060	1135	1174	872
65°	638	653	704	777	819	633
75°	319	334	376	434	461	340
85°	66	69	87	108	114	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2149.5	2149.5	2149.5	2149.5	2149.5
2.5°	2149.5	2146.5	2146.5	2146.5	2149.5
5°	2137.5	2137.5	2140.5	2140.5	2143.5
7.5°	2125.4	2125.4	2128.4	2131.4	2137.5
10°	2107.4	2107.4	2113.4	2122.4	2128.4
12.5°	2080.3	2083.3	2095.3	2107.4	2116.4
15°	2047.1	2053.2	2068.2	2086.3	2095.3
17.5°	2008.0	2014.0	2035.1	2059.2	2071.2
20°	1959.8	1971.9	1999.0	2029.1	2044.1
22.5°	1911.7	1923.7	1956.8	1993.0	2011.0
25°	1854.5	1869.5	1908.7	1950.8	1974.9
27.5°	1794.3	1812.3	1857.5	1905.7	1932.7
30°	1731.0	1752.1	1800.3	1854.5	1881.6
32.5°	1664.8	1685.9	1740.1	1800.3	1830.4
35°	1598.6	1619.7	1676.9	1743.1	1776.2
37.5°	1526.3	1547.4	1607.6	1679.9	1716.0
40°	1451.1	1475.1	1538.4	1610.6	1649.8
42.5°	1372.8	1399.9	1463.1	1541.4	1580.5
45°	1294.5	1321.6	1387.8	1463.1	1505.3
47.5°	1219.3	1240.3	1306.6	1384.8	1427.0
50°	1141.0	1159.0	1225.3	1303.5	1345.7
52.5°	1056.7	1080.8	1144.0	1222.3	1261.4
55°	975.4	993.5	1059.7	1135.0	1174.1
57.5°	891.1	909.2	972.4	1047.7	1083.8
60°	809.8	827.9	885.1	960.4	996.5
62.5°	719.5	737.6	794.8	873.0	909.2
65°	638.2	653.3	704.5	776.7	818.9
67.5°	556.9	572.0	620.2	689.4	722.5
70°	475.7	487.7	535.9	599.1	635.2
72.5°	397.4	409.4	457.6	514.8	544.9
75°	319.1	334.2	376.3	433.5	460.6
77.5°	246.9	261.9	298.0	349.2	373.3
80°	180.6	192.7	225.8	264.9	286.0
82.5°	120.4	129.5	153.5	186.7	201.7
85°	66.2	69.2	87.3	108.4	114.4
87.5°	27.1	27.1	33.1	36.1	39.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)