

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: P385322

Luminaire Tested: **22ID-65-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385322
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-L830-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6279.6 lumens
Efficiency: N/A
Efficacy: 112.1 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

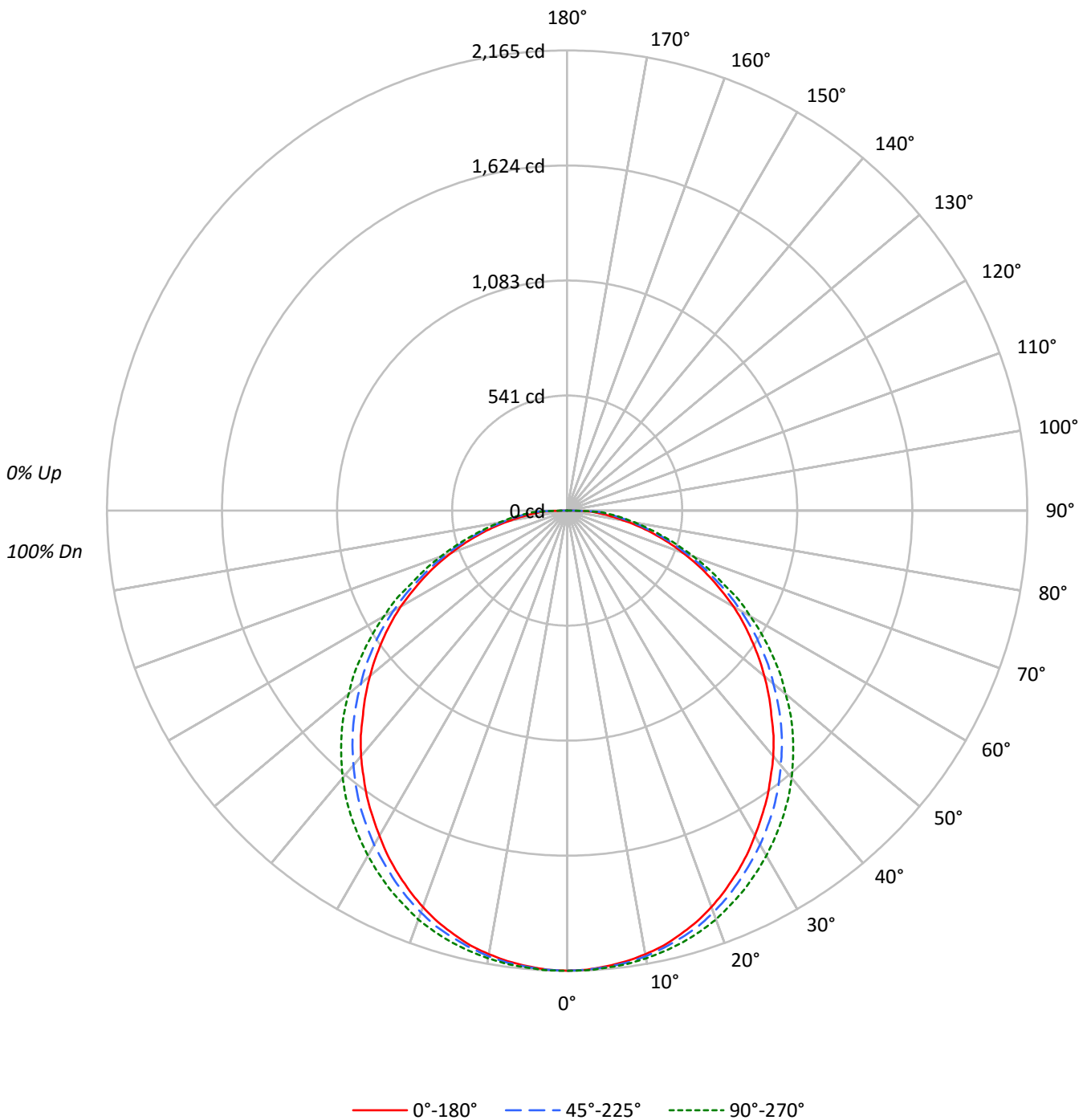
Input Watts (W): 56
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5826	5826	5826
5°	5771	5763	5788
10°	5707	5700	5760
15°	5624	5618	5731
20°	5518	5524	5691
25°	5385	5404	5628
30°	5238	5282	5557
35°	5099	5153	5484
40°	4953	5000	5393
45°	4772	4847	5277
50°	4614	4651	5111
55°	4436	4459	4929
60°	4254	4218	4684
65°	4004	3917	4357
70°	3700	3590	4056
75°	3341	3231	3704
80°	2852	2852	3402
85°	2427	2577	3253



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.9	3.3
10°-20°	587.1	9.3
20°-30°	885.9	14.1
30°-40°	1063.4	16.9
40°-50°	1100.5	17.5
50°-60°	997.0	15.9
60°-70°	768.1	12.2
70°-80°	475.3	7.6
80°-90°	197.4	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°	1677.9	26.7
0°-40°	2741.3	43.7
0°-60°	4838.8	77.1
0°-90°	6279.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6279.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2165	2165	2165	2165	2165	
5°	2152	2152	2155	2155	2158	204
15°	2064	2067	2080	2093	2103	582
25°	1884	1891	1920	1953	1969	868
35°	1643	1656	1698	1744	1767	1027
45°	1358	1378	1424	1476	1502	1050
55°	1058	1074	1110	1159	1176	947
65°	741	748	771	803	807	733
75°	421	431	447	467	467	446
85°	154	170	196	209	206	166
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2165.1	2165.1	2165.1	2165.1	2165.1
2.5°	2161.8	2161.8	2161.8	2161.8	2165.1
5°	2152.0	2152.0	2155.3	2155.3	2158.5
7.5°	2139.0	2139.0	2145.5	2145.5	2152.0
10°	2119.4	2122.6	2129.2	2132.4	2139.0
12.5°	2096.5	2096.5	2106.3	2116.1	2122.6
15°	2063.8	2067.1	2080.2	2093.2	2103.0
17.5°	2027.9	2031.2	2050.8	2063.8	2076.9
20°	1985.5	1988.7	2011.6	2031.2	2047.5
22.5°	1936.5	1943.0	1969.1	1995.3	2008.3
25°	1884.2	1890.8	1920.2	1952.8	1969.1
27.5°	1828.7	1838.5	1867.9	1903.8	1923.4
30°	1766.7	1779.7	1815.7	1854.8	1874.4
32.5°	1704.6	1717.7	1756.9	1802.6	1822.2
35°	1642.6	1655.6	1698.1	1743.8	1766.7
37.5°	1574.0	1587.1	1632.8	1681.8	1707.9
40°	1508.7	1521.8	1564.2	1619.7	1642.6
42.5°	1436.9	1449.9	1495.6	1547.9	1574.0
45°	1358.5	1378.1	1423.8	1476.0	1502.2
47.5°	1286.6	1303.0	1345.4	1400.9	1427.1
50°	1211.5	1227.9	1267.0	1322.6	1342.2
52.5°	1136.4	1152.7	1191.9	1244.2	1263.8
55°	1058.0	1074.4	1110.3	1159.3	1175.6
57.5°	982.9	996.0	1028.7	1074.4	1087.4
60°	904.6	917.6	943.8	986.2	996.0
62.5°	819.7	829.5	858.8	898.0	911.1
65°	741.3	747.8	770.7	803.3	806.6
67.5°	659.6	666.2	689.0	711.9	721.7
70°	578.0	587.8	604.1	627.0	633.5
72.5°	499.6	509.4	525.8	545.4	548.6
75°	421.3	431.1	447.4	467.0	467.0
77.5°	346.2	355.9	375.5	391.9	391.9
80°	271.0	287.4	307.0	323.3	323.3
82.5°	209.0	222.1	248.2	261.2	261.2
85°	153.5	169.8	195.9	209.0	205.7
87.5°	111.0	127.4	150.2	160.0	156.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)