

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: P383810

Luminaire Tested: **22ID-65-L830-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-65-L830-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

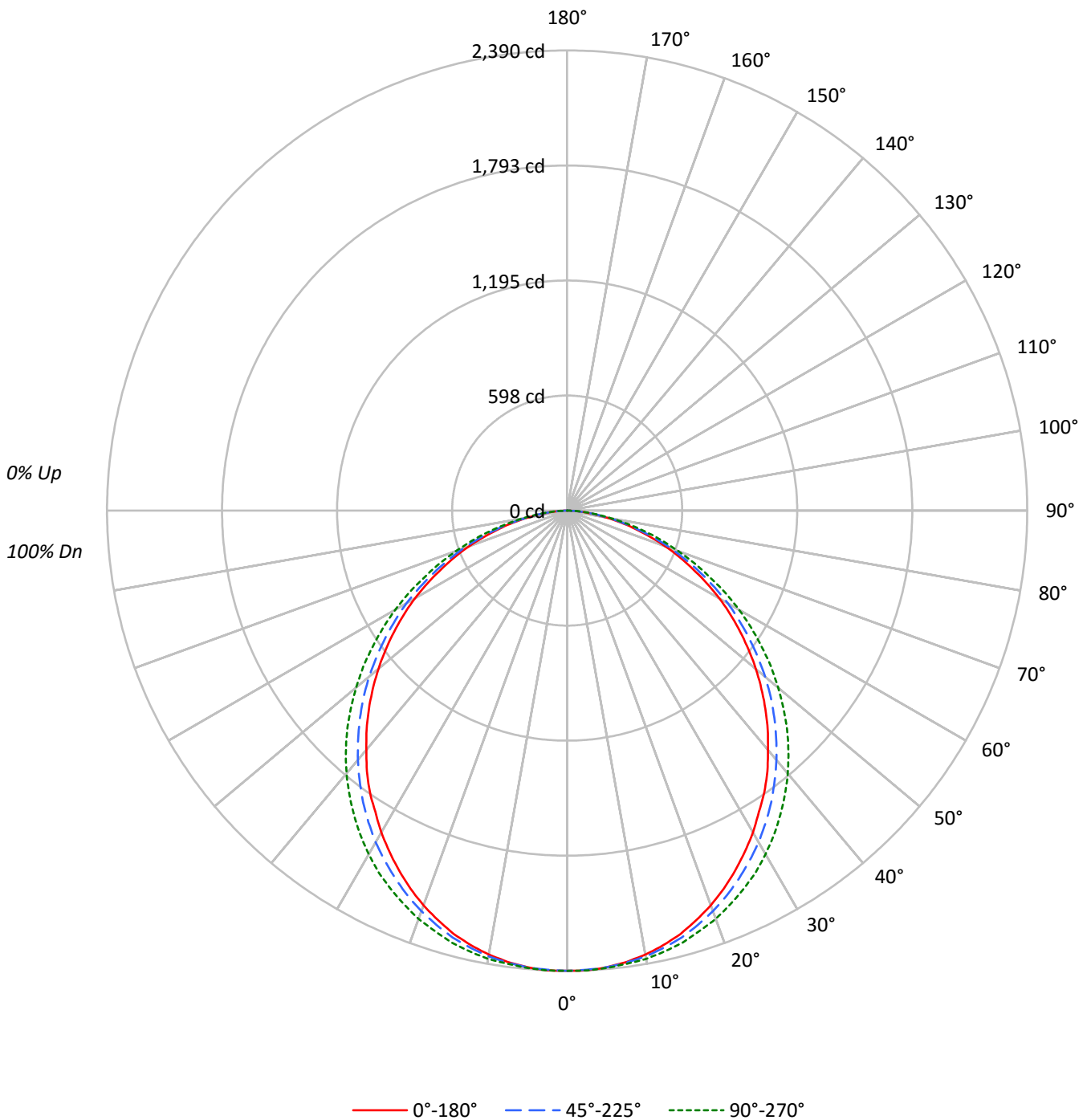
Lumens per Lamp: N/A
Luminaire Lumens: 6491.9 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6433	6433	6433
5°	6431	6431	6439
10°	6398	6425	6460
15°	6341	6396	6468
20°	6247	6340	6462
25°	6128	6263	6438
30°	5997	6179	6403
35°	5868	6072	6340
40°	5701	5942	6263
45°	5543	5791	6151
50°	5359	5619	5988
55°	5148	5408	5791
60°	4921	5184	5554
65°	4595	4865	5198
70°	4265	4497	4805
75°	3802	4006	4346
80°	3188	3340	3643
85°	2421	2421	2723



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.2	3.5
10°-20°	647.3	10.0
20°-30°	973.3	15.0
30°-40°	1157.9	17.8
40°-50°	1178.2	18.1
50°-60°	1036.9	16.0
60°-70°	760.6	11.7
70°-80°	412.9	6.4
80°-90°	98.5	1.5
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°	1846.9	28.4
0°-40°	3004.8	46.3
0°-60°	5219.9	80.4
0°-90°	6491.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6491.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2390	2390	2390	2390	2390	
5°	2381	2377	2381	2381	2384	226
15°	2276	2279	2296	2309	2322	641
25°	2064	2077	2110	2146	2168	951
35°	1786	1799	1848	1904	1930	1115
45°	1456	1470	1522	1587	1616	1123
55°	1097	1114	1153	1208	1234	981
65°	722	735	764	797	816	717
75°	366	372	385	405	418	389
85°	78	78	78	85	88	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2390.4	2390.4	2390.4	2390.4	2390.4
2.5°	2390.4	2387.1	2387.1	2387.1	2390.4
5°	2380.6	2377.3	2380.6	2380.6	2383.8
7.5°	2364.2	2361.0	2367.5	2370.8	2374.0
10°	2341.4	2341.4	2351.2	2357.7	2364.2
12.5°	2312.0	2315.3	2325.1	2334.9	2344.7
15°	2276.1	2279.3	2295.7	2308.7	2321.8
17.5°	2230.4	2236.9	2256.5	2276.1	2289.1
20°	2181.4	2191.2	2214.0	2240.2	2256.5
22.5°	2125.9	2138.9	2165.0	2197.7	2214.0
25°	2063.8	2076.9	2109.5	2145.5	2168.3
27.5°	1998.5	2014.8	2050.8	2093.2	2119.3
30°	1929.9	1946.3	1988.7	2034.4	2060.6
32.5°	1854.8	1874.4	1920.1	1972.4	1998.5
35°	1786.2	1799.3	1848.3	1903.8	1929.9
37.5°	1707.9	1724.2	1769.9	1828.7	1858.1
40°	1623.0	1639.3	1691.5	1750.3	1783.0
42.5°	1541.3	1554.4	1606.6	1672.0	1701.3
45°	1456.4	1469.5	1521.7	1587.0	1616.4
47.5°	1368.3	1384.6	1433.6	1495.6	1525.0
50°	1280.1	1293.2	1342.1	1400.9	1430.3
52.5°	1188.7	1201.7	1247.4	1306.2	1335.6
55°	1097.2	1113.5	1152.7	1208.2	1234.4
57.5°	1005.8	1022.1	1058.0	1110.3	1133.1
60°	914.3	927.4	963.3	1009.1	1031.9
62.5°	816.4	826.2	862.1	907.8	927.4
65°	721.7	734.7	764.1	796.8	816.4
67.5°	633.5	640.0	666.2	702.1	715.2
70°	542.1	548.6	571.5	600.9	610.7
72.5°	450.6	460.4	476.8	502.9	516.0
75°	365.7	372.3	385.3	404.9	418.0
77.5°	284.1	287.4	297.2	313.5	323.3
80°	205.7	209.0	215.5	228.6	235.1
82.5°	137.2	140.4	143.7	150.2	156.7
85°	78.4	78.4	78.4	84.9	88.2
87.5°	29.4	26.1	26.1	26.1	26.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)