

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: P383968

Luminaire Tested: **22ID-50-L840-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-50-L840-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

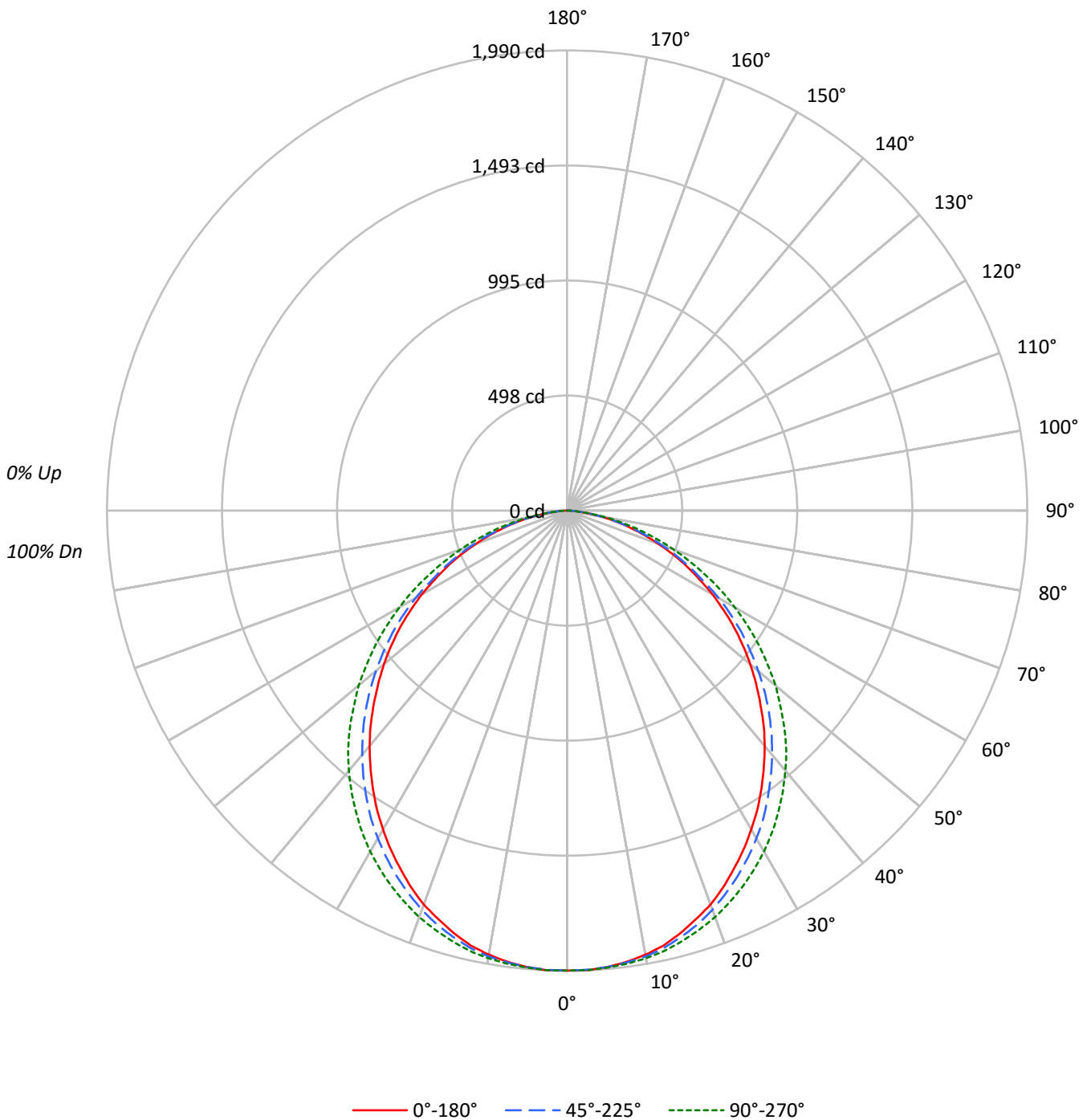
Lumens per Lamp: N/A
Luminaire Lumens: 5252.0 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 41.5
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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5354	5354	5354
5°	5353	5353	5360
10°	5329	5350	5372
15°	5271	5315	5367
20°	5192	5260	5358
25°	5071	5181	5329
30°	4947	5086	5291
35°	4815	4971	5230
40°	4669	4844	5159
45°	4497	4697	5058
50°	4330	4517	4924
55°	4136	4321	4741
60°	3909	4079	4504
65°	3636	3754	4206
70°	3292	3416	3851
75°	2873	2982	3366
80°	2325	2365	2651
85°	1380	1544	1300



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.3	3.6
10°-20°	538.3	10.2
20°-30°	805.3	15.3
30°-40°	951.4	18.1
40°-50°	960.0	18.3
50°-60°	833.7	15.9
60°-70°	597.8	11.4
70°-80°	311.4	5.9
80°-90°	65.7	1.3
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°	1531.9	29.2
0°-40°	2483.3	47.3
0°-60°	4277.0	81.4
0°-90°	5252.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5252.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1990	1990	1990	1990	1990	
5°	1982	1979	1982	1982	1984	188
15°	1892	1895	1908	1921	1926	533
25°	1708	1718	1745	1779	1795	787
35°	1466	1476	1513	1568	1592	916
45°	1182	1195	1234	1297	1329	912
55°	882	890	921	982	1011	787
65°	571	568	590	634	660	565
75°	276	274	287	308	324	295
85°	45	50	50	45	42	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1989.5	1989.5	1989.5	1989.5	1989.5
2.5°	1989.5	1986.9	1986.9	1986.9	1989.5
5°	1981.6	1979.0	1981.6	1981.6	1984.3
7.5°	1968.5	1965.8	1971.1	1973.7	1976.4
10°	1950.1	1950.1	1957.9	1963.2	1965.8
12.5°	1926.4	1926.4	1936.9	1944.8	1950.1
15°	1892.2	1894.8	1907.9	1921.1	1926.4
17.5°	1852.7	1860.6	1876.4	1894.8	1900.1
20°	1813.2	1818.5	1836.9	1860.6	1871.1
22.5°	1763.2	1771.1	1792.2	1823.7	1834.3
25°	1707.9	1718.5	1744.8	1779.0	1794.8
27.5°	1652.7	1660.6	1692.2	1731.6	1750.0
30°	1592.1	1602.7	1636.9	1681.6	1702.7
32.5°	1531.6	1539.5	1579.0	1626.4	1650.0
35°	1465.8	1476.4	1513.2	1568.5	1592.1
37.5°	1397.4	1410.6	1447.4	1505.3	1531.6
40°	1329.0	1336.9	1379.0	1436.9	1468.5
42.5°	1257.9	1268.5	1307.9	1371.1	1402.7
45°	1181.6	1194.8	1234.2	1297.4	1329.0
47.5°	1107.9	1121.1	1157.9	1221.1	1250.0
50°	1034.2	1042.1	1079.0	1142.1	1176.3
52.5°	957.9	965.8	1000.0	1060.6	1092.1
55°	881.6	889.5	921.1	981.6	1010.6
57.5°	802.7	807.9	839.5	894.8	923.7
60°	726.3	729.0	757.9	807.9	836.9
62.5°	644.8	647.4	668.4	726.3	752.7
65°	571.1	568.4	589.5	634.2	660.5
67.5°	494.8	494.8	513.2	552.6	573.7
70°	418.4	418.4	434.2	468.4	489.5
72.5°	347.4	347.4	360.5	386.9	402.6
75°	276.3	273.7	286.8	307.9	323.7
77.5°	210.5	210.5	215.8	234.2	244.7
80°	150.0	150.0	152.6	163.2	171.1
82.5°	94.7	94.7	94.7	100.0	102.6
85°	44.7	50.0	50.0	44.7	42.1
87.5°	21.1	21.1	18.4	18.4	18.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)