

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: P383966

Luminaire Tested: **22ID-50-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383966
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-L830-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

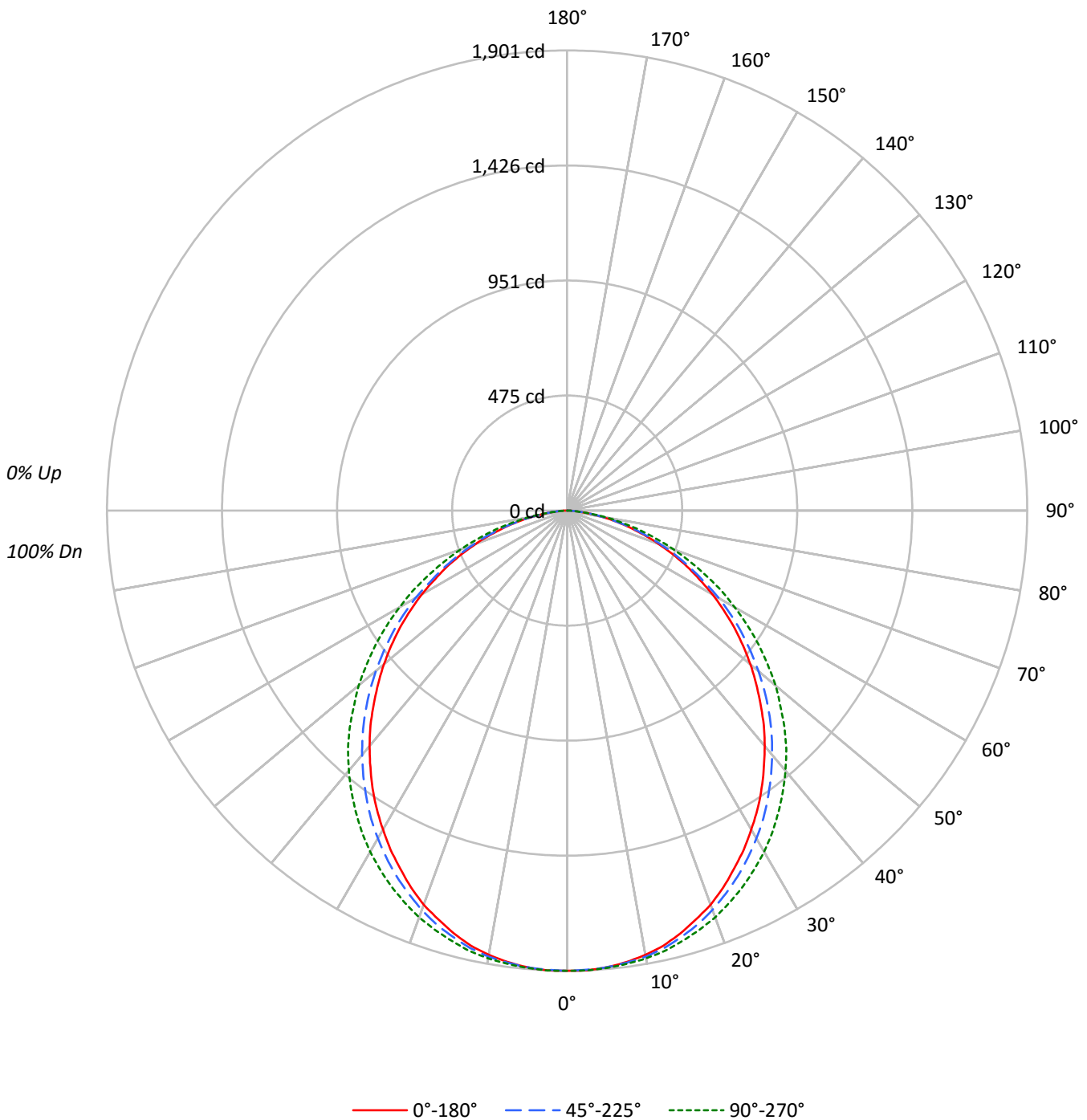
Lumens per Lamp: N/A
Luminaire Lumens: 5019.0 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 41.1
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	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°	5116	5116	5116
5°	5115	5115	5122
10°	5092	5113	5133
15°	5037	5080	5129
20°	4962	5027	5121
25°	4846	4951	5093
30°	4728	4861	5056
35°	4602	4751	4998
40°	4461	4629	4930
45°	4297	4489	4833
50°	4138	4317	4706
55°	3953	4130	4531
60°	3736	3898	4304
65°	3475	3587	4019
70°	3146	3265	3681
75°	2746	2850	3216
80°	2221	2261	2534
85°	1321	1476	1241



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.0	3.6
10°-20°	514.4	10.2
20°-30°	769.5	15.3
30°-40°	909.2	18.1
40°-50°	917.4	18.3
50°-60°	796.7	15.9
60°-70°	571.3	11.4
70°-80°	297.6	5.9
80°-90°	62.8	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°	1464.0	29.2
0°-40°	2373.1	47.3
0°-60°	4087.3	81.4
0°-90°	5019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1901	1901	1901	1901	1901	
5°	1894	1891	1894	1894	1896	180
15°	1808	1811	1823	1836	1841	510
25°	1632	1642	1667	1700	1715	752
35°	1401	1411	1446	1499	1522	876
45°	1129	1142	1180	1240	1270	872
55°	842	850	880	938	966	752
65°	546	543	563	606	631	540
75°	264	262	274	294	309	282
85°	43	48	48	43	40	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1901.3	1901.3	1901.3	1901.3	1901.3
2.5°	1901.3	1898.7	1898.7	1898.7	1901.3
5°	1893.7	1891.2	1893.7	1893.7	1896.2
7.5°	1881.1	1878.6	1883.7	1886.2	1888.7
10°	1863.5	1863.5	1871.1	1876.1	1878.6
12.5°	1840.9	1840.9	1851.0	1858.5	1863.5
15°	1808.2	1810.7	1823.3	1835.9	1840.9
17.5°	1770.5	1778.0	1793.1	1810.7	1815.8
20°	1732.8	1737.8	1755.4	1778.0	1788.1
22.5°	1685.0	1692.5	1712.6	1742.8	1752.9
25°	1632.2	1642.2	1667.4	1700.1	1715.2
27.5°	1579.4	1586.9	1617.1	1654.8	1672.4
30°	1521.5	1531.6	1564.3	1607.0	1627.1
32.5°	1463.7	1471.2	1508.9	1554.2	1576.8
35°	1400.8	1410.9	1446.1	1498.9	1521.5
37.5°	1335.4	1348.0	1383.2	1438.5	1463.7
40°	1270.0	1277.6	1317.8	1373.1	1403.3
42.5°	1202.1	1212.2	1249.9	1310.3	1340.4
45°	1129.2	1141.8	1179.5	1239.8	1270.0
47.5°	1058.8	1071.3	1106.6	1166.9	1194.6
50°	988.4	995.9	1031.1	1091.5	1124.2
52.5°	915.4	923.0	955.7	1013.5	1043.7
55°	842.5	850.0	880.2	938.1	965.7
57.5°	767.0	772.1	802.3	855.1	882.7
60°	694.1	696.6	724.3	772.1	799.7
62.5°	616.2	618.7	638.8	694.1	719.3
65°	545.7	543.2	563.3	606.1	631.2
67.5°	472.8	472.8	490.4	528.1	548.2
70°	399.9	399.9	415.0	447.7	467.8
72.5°	332.0	332.0	344.5	369.7	384.8
75°	264.1	261.5	274.1	294.2	309.3
77.5°	201.2	201.2	206.2	223.8	233.9
80°	143.3	143.3	145.9	155.9	163.5
82.5°	90.5	90.5	90.5	95.6	98.1
85°	42.8	47.8	47.8	42.8	40.2
87.5°	20.1	20.1	17.6	17.6	17.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)