

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: P383799

Luminaire Tested: **22ID-50-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383799
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-50-L835-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

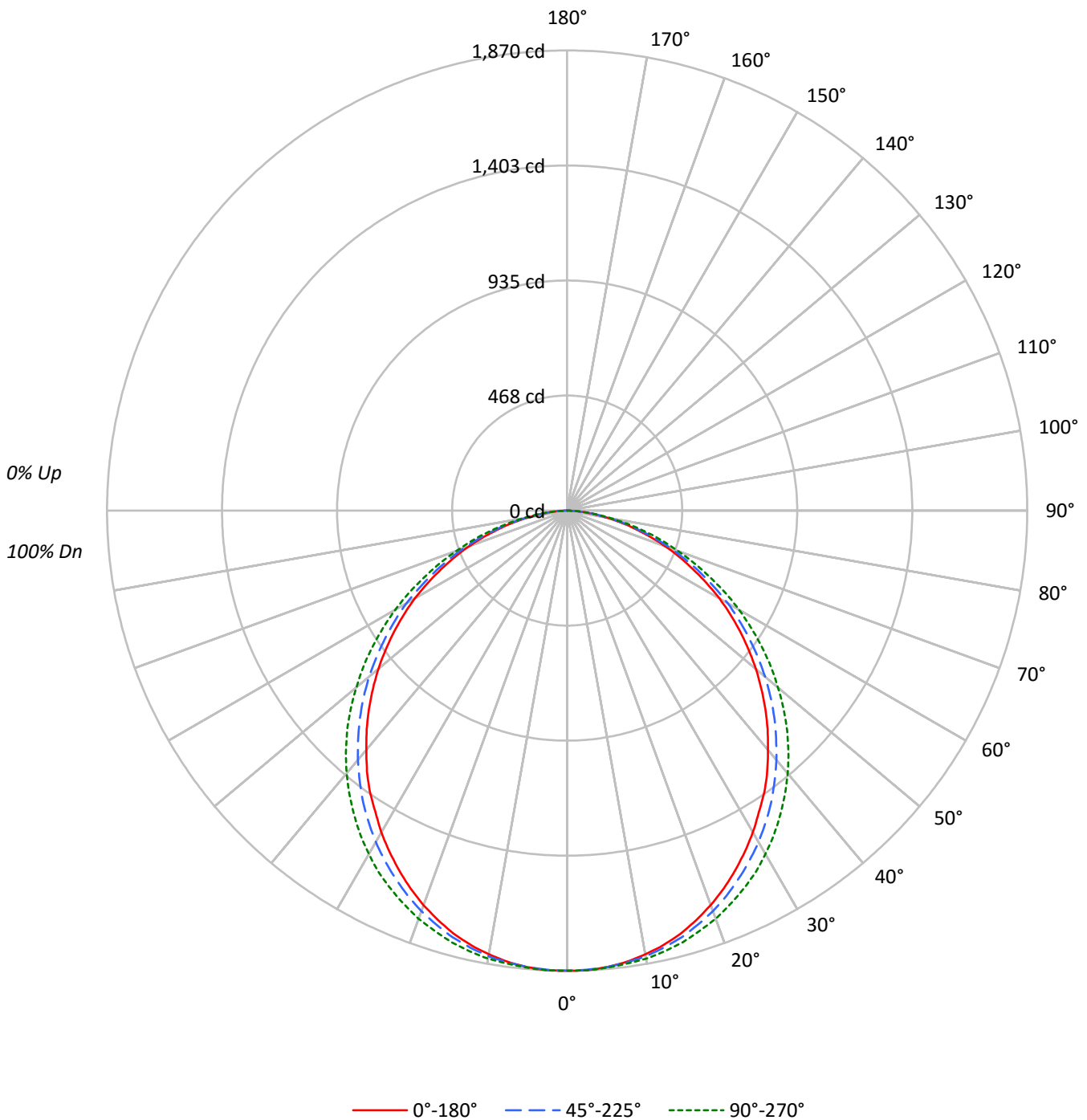
Lumens per Lamp: N/A
Luminaire Lumens: 5078.2 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 41.1
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°	5032	5032	5032
5°	5030	5030	5037
10°	5005	5026	5053
15°	4960	5003	5060
20°	4887	4960	5055
25°	4793	4900	5036
30°	4691	4834	5008
35°	4590	4750	4959
40°	4460	4648	4899
45°	4336	4530	4812
50°	4192	4395	4684
55°	4027	4230	4530
60°	3849	4056	4344
65°	3594	3806	4066
70°	3336	3517	3758
75°	2975	3134	3400
80°	2493	2613	2850
85°	1893	1893	2130



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.0	3.5
10°-20°	506.4	10.0
20°-30°	761.4	15.0
30°-40°	905.8	17.8
40°-50°	921.6	18.1
50°-60°	811.1	16.0
60°-70°	595.0	11.7
70°-80°	322.9	6.4
80°-90°	77.0	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°	1444.7	28.4
0°-40°	2350.5	46.3
0°-60°	4083.2	80.4
0°-90°	5078.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5078.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1870	1870	1870	1870	1870	
5°	1862	1860	1862	1862	1865	177
15°	1780	1783	1796	1806	1816	502
25°	1614	1625	1650	1678	1696	744
35°	1397	1408	1446	1489	1510	872
45°	1139	1150	1190	1241	1264	878
55°	858	871	902	945	966	768
65°	564	575	598	623	639	561
75°	286	291	301	317	327	304
85°	61	61	61	66	69	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1869.8	1869.8	1869.8	1869.8	1869.8
2.5°	1869.8	1867.3	1867.3	1867.3	1869.8
5°	1862.2	1859.6	1862.2	1862.2	1864.7
7.5°	1849.4	1846.8	1852.0	1854.5	1857.1
10°	1831.5	1831.5	1839.2	1844.3	1849.4
12.5°	1808.5	1811.1	1818.7	1826.4	1834.1
15°	1780.4	1783.0	1795.8	1806.0	1816.2
17.5°	1744.7	1749.8	1765.1	1780.4	1790.6
20°	1706.4	1714.0	1731.9	1752.3	1765.1
22.5°	1662.9	1673.1	1693.6	1719.1	1731.9
25°	1614.4	1624.6	1650.2	1678.3	1696.1
27.5°	1563.3	1576.1	1604.2	1637.4	1657.8
30°	1509.7	1522.4	1555.6	1591.4	1611.8
32.5°	1450.9	1466.2	1502.0	1542.9	1563.3
35°	1397.3	1407.5	1445.8	1489.2	1509.7
37.5°	1336.0	1348.7	1384.5	1430.5	1453.5
40°	1269.5	1282.3	1323.2	1369.2	1394.7
42.5°	1205.7	1215.9	1256.8	1307.9	1330.9
45°	1139.3	1149.5	1190.4	1241.4	1264.4
47.5°	1070.3	1083.1	1121.4	1169.9	1192.9
50°	1001.3	1011.6	1049.9	1095.8	1118.8
52.5°	929.8	940.0	975.8	1021.8	1044.8
55°	858.3	871.1	901.7	945.1	965.6
57.5°	786.8	799.5	827.6	868.5	886.4
60°	715.2	725.5	753.6	789.3	807.2
62.5°	638.6	646.3	674.4	710.1	725.5
65°	564.5	574.7	597.7	623.3	638.6
67.5°	495.6	500.7	521.1	549.2	559.4
70°	424.0	429.1	447.0	470.0	477.7
72.5°	352.5	360.2	372.9	393.4	403.6
75°	286.1	291.2	301.4	316.7	327.0
77.5°	222.2	224.8	232.5	245.2	252.9
80°	160.9	163.5	168.6	178.8	183.9
82.5°	107.3	109.8	112.4	117.5	122.6
85°	61.3	61.3	61.3	66.4	69.0
87.5°	23.0	20.4	20.4	20.4	20.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)