

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: P383967

Luminaire Tested: **22ID-50-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383967
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-L835-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

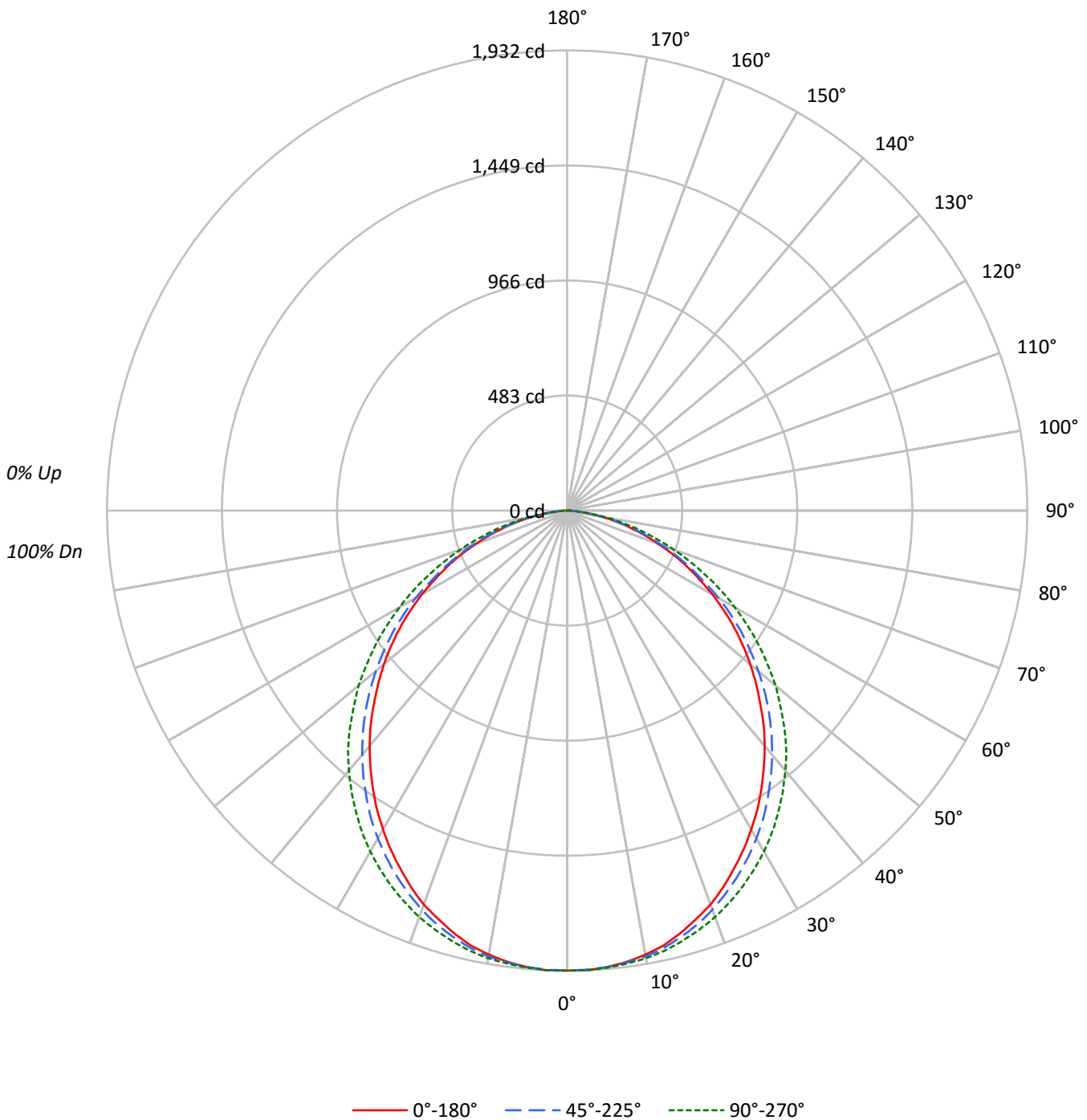
Lumens per Lamp: N/A
Luminaire Lumens: 5098.7 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 41.1
Input Voltage (V): NR
Input Current (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°	5198	5198	5198
5°	5197	5197	5203
10°	5173	5194	5215
15°	5117	5160	5210
20°	5041	5107	5202
25°	4923	5029	5173
30°	4803	4938	5136
35°	4675	4826	5078
40°	4532	4703	5008
45°	4365	4560	4910
50°	4203	4385	4781
55°	4016	4195	4603
60°	3795	3960	4372
65°	3530	3644	4083
70°	3196	3316	3739
75°	2790	2896	3267
80°	2256	2297	2574
85°	1340	1497	1263



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.9	3.6
10°-20°	522.6	10.2
20°-30°	781.8	15.3
30°-40°	923.6	18.1
40°-50°	932.0	18.3
50°-60°	809.4	15.9
60°-70°	580.4	11.4
70°-80°	302.3	5.9
80°-90°	63.8	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°	1487.2	29.2
0°-40°	2410.8	47.3
0°-60°	4152.2	81.4
0°-90°	5098.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5098.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1932	1932	1932	1932	1932	
5°	1924	1921	1924	1924	1926	183
15°	1837	1840	1852	1865	1870	518
25°	1658	1668	1694	1727	1742	764
35°	1423	1433	1469	1523	1546	890
45°	1147	1160	1198	1260	1290	886
55°	856	864	894	953	981	764
65°	554	552	572	616	641	548
75°	268	266	278	299	314	286
85°	43	48	48	43	41	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1931.5	1931.5	1931.5	1931.5	1931.5
2.5°	1931.5	1928.9	1928.9	1928.9	1931.5
5°	1923.8	1921.2	1923.8	1923.8	1926.3
7.5°	1911.0	1908.5	1913.6	1916.1	1918.7
10°	1893.1	1893.1	1900.8	1905.9	1908.5
12.5°	1870.1	1870.1	1880.4	1888.0	1893.1
15°	1836.9	1839.5	1852.3	1865.0	1870.1
17.5°	1798.6	1806.3	1821.6	1839.5	1844.6
20°	1760.3	1765.4	1783.3	1806.3	1816.5
22.5°	1711.7	1719.4	1739.8	1770.5	1780.7
25°	1658.1	1668.3	1693.9	1727.1	1742.4
27.5°	1604.4	1612.1	1642.8	1681.1	1699.0
30°	1545.7	1555.9	1589.1	1632.5	1653.0
32.5°	1486.9	1494.6	1532.9	1578.9	1601.9
35°	1423.0	1433.3	1469.0	1522.7	1545.7
37.5°	1356.6	1369.4	1405.2	1461.4	1486.9
40°	1290.2	1297.9	1338.7	1394.9	1425.6
42.5°	1221.2	1231.4	1269.8	1331.1	1361.7
45°	1147.1	1159.9	1198.2	1259.5	1290.2
47.5°	1075.6	1088.4	1124.1	1185.4	1213.5
50°	1004.0	1011.7	1047.5	1108.8	1142.0
52.5°	930.0	937.6	970.8	1029.6	1060.3
55°	855.9	863.5	894.2	953.0	981.1
57.5°	779.2	784.3	815.0	868.6	896.7
60°	705.1	707.7	735.8	784.3	812.4
62.5°	625.9	628.5	648.9	705.1	730.7
65°	554.4	551.8	572.3	615.7	641.3
67.5°	480.3	480.3	498.2	536.5	557.0
70°	406.2	406.2	421.5	454.8	475.2
72.5°	337.2	337.2	350.0	375.6	390.9
75°	268.3	265.7	278.5	298.9	314.2
77.5°	204.4	204.4	209.5	227.4	237.6
80°	145.6	145.6	148.2	158.4	166.1
82.5°	92.0	92.0	92.0	97.1	99.6
85°	43.4	48.5	48.5	43.4	40.9
87.5°	20.4	20.4	17.9	17.9	17.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)