

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: P384087

Luminaire Tested: **14ID-60-L835-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-67)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-60-L835-CFD1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

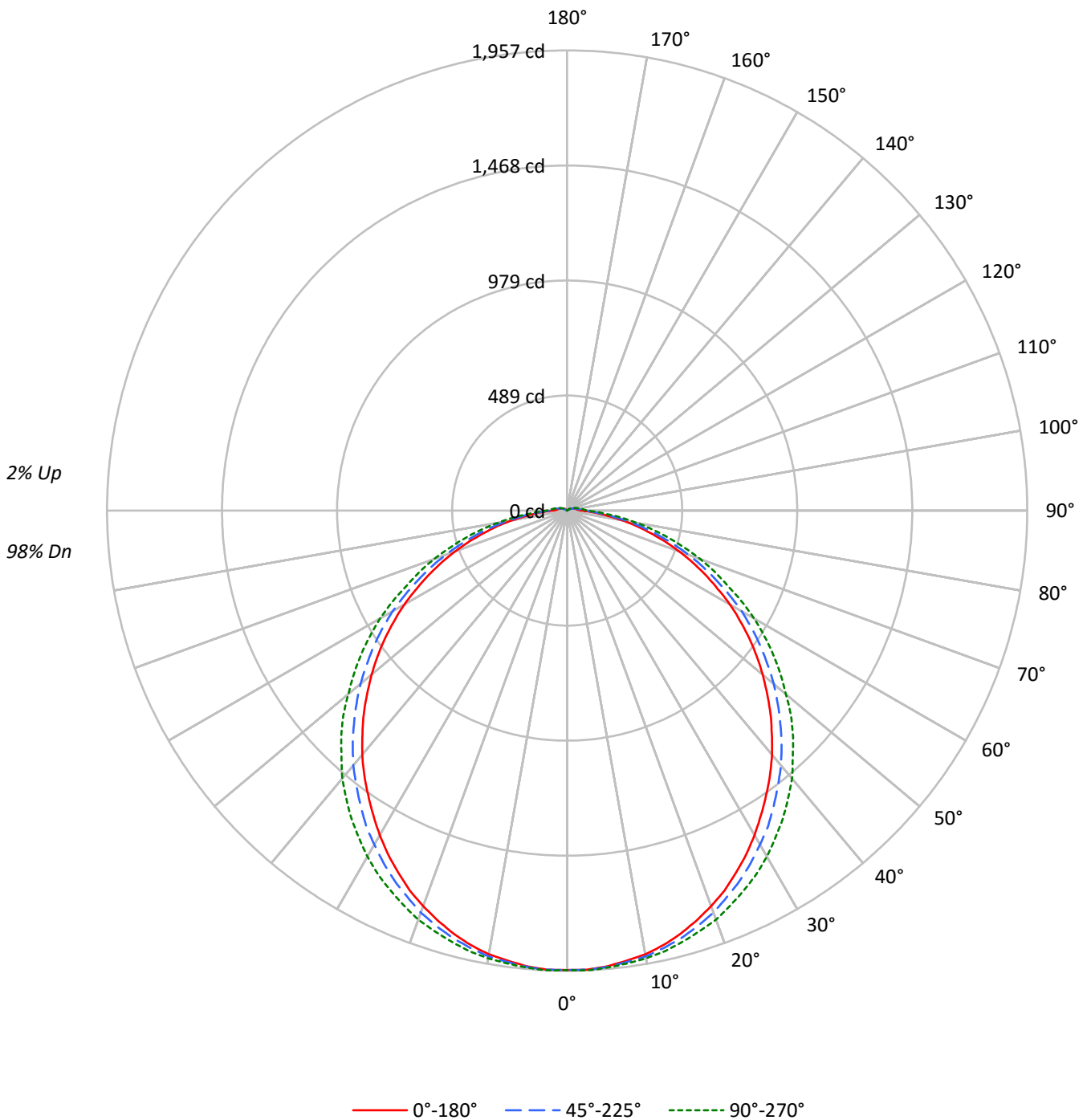
Lumens per Lamp: N/A
Luminaire Lumens: 5788.0 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 53.3
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	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	76	69	63	73	67	61	70	64	60	67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	52	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5259	5259	5259
5°	5246	5229	5233
10°	5217	5193	5208
15°	5162	5139	5174
20°	5087	5074	5146
25°	4996	4987	5091
30°	4892	4889	5037
35°	4779	4785	4964
40°	4681	4679	4885
45°	4562	4545	4773
50°	4435	4416	4626
55°	4305	4260	4490
60°	4161	4090	4320
65°	3970	3841	4058
70°	3756	3591	3851
75°	3511	3255	3537
80°	3254	2855	3150
85°	3147	2460	2692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.1	3.2
10°-20°	530.6	9.2
20°-30°	801.0	13.8
30°-40°	959.8	16.6
40°-50°	992.3	17.1
50°-60°	898.6	15.5
60°-70°	695.3	12.0
70°-80°	427.1	7.4
80°-90°	169.7	2.9
90°-100°	61.9	1.1
100°-110°	38.0	0.7
110°-120°	19.6	0.3
120°-130°	8.3	0.1
130°-140°	0.6	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°	1516.7	26.2
0°-40°	2476.5	42.8
0°-60°	4367.4	75.5
0°-90°	5659.6	97.8
90°-120°	119.5	2.1
90°-150°	128.4	2.2
90°-180°	128.0	2.2
0°-180°	5788.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1954	1954	1954	1954	1954	
5°	1946	1946	1948	1948	1951	185
15°	1863	1866	1881	1893	1898	525
25°	1699	1711	1737	1766	1781	783
35°	1476	1494	1532	1573	1599	924
45°	1224	1238	1282	1335	1359	943
55°	945	965	1004	1048	1071	844
65°	651	666	698	734	751	644
75°	364	382	399	426	446	388
85°	126	135	147	161	170	126
90°	59	68	73	82	88	35
95°	44	50	56	62	68	35
105°	32	32	35	38	41	34
115°	20	18	18	20	24	21
125°	12	9	6	9	12	11
135°	0	0	0	0	0	1
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1954.3	1954.3	1954.3	1954.3	1954.3
2.5°	1954.3	1951.4	1954.3	1954.3	1957.2
5°	1945.5	1945.5	1948.4	1948.4	1951.4
7.5°	1930.8	1930.8	1936.7	1939.6	1942.6
10°	1916.1	1916.1	1925.0	1927.9	1933.8
12.5°	1892.7	1895.6	1904.4	1913.2	1919.1
15°	1863.3	1866.3	1880.9	1892.7	1898.5
17.5°	1828.1	1834.0	1851.6	1869.2	1875.1
20°	1790.0	1798.8	1819.3	1839.9	1851.6
22.5°	1748.9	1754.8	1778.2	1804.6	1816.4
25°	1699.0	1710.7	1737.2	1766.5	1781.2
27.5°	1649.1	1660.9	1690.2	1725.4	1743.0
30°	1593.4	1605.1	1640.3	1678.5	1699.0
32.5°	1534.7	1549.4	1590.4	1628.6	1649.1
35°	1476.0	1493.6	1531.7	1572.8	1599.2
37.5°	1417.3	1432.0	1473.1	1517.1	1543.5
40°	1355.7	1370.4	1414.4	1458.4	1487.7
42.5°	1288.2	1305.8	1349.8	1396.8	1420.2
45°	1223.6	1238.3	1282.3	1335.1	1358.6
47.5°	1153.2	1173.8	1214.8	1264.7	1291.1
50°	1085.7	1103.3	1147.3	1194.3	1214.8
52.5°	1015.3	1032.9	1074.0	1120.9	1144.4
55°	944.9	965.4	1003.6	1047.6	1071.0
57.5°	871.5	892.1	930.2	968.3	994.8
60°	801.1	821.6	856.8	895.0	918.5
62.5°	721.9	739.5	777.6	818.7	836.3
65°	651.4	666.1	698.4	733.6	751.2
67.5°	578.1	595.7	625.0	657.3	677.8
70°	504.7	525.3	548.7	578.1	601.5
72.5°	434.3	451.9	472.4	501.8	522.3
75°	363.9	381.5	399.1	425.5	446.0
77.5°	302.2	311.0	328.7	352.1	372.7
80°	234.8	246.5	261.2	284.6	299.3
82.5°	176.1	187.8	199.5	217.1	231.8
85°	126.2	135.0	146.7	161.4	170.2
87.5°	85.1	93.9	102.7	114.4	123.2
90°	58.7	67.5	73.4	82.2	88.0
92.5°	49.9	55.8	61.6	67.5	73.4
95°	44.0	49.9	55.8	61.6	67.5
97.5°	41.1	44.0	49.9	55.8	58.7
100°	38.1	41.1	44.0	49.9	52.8
102.5°	35.2	35.2	41.1	44.0	47.0
105°	32.3	32.3	35.2	38.1	41.1
107.5°	29.3	29.3	32.3	32.3	38.1
110°	26.4	23.5	26.4	26.4	32.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	23.5	20.5	23.5	23.5	26.4
115°	20.5	17.6	17.6	20.5	23.5
117.5°	17.6	14.7	14.7	14.7	20.5
120°	17.6	14.7	11.7	11.7	17.6
122.5°	14.7	11.7	8.8	11.7	14.7
125°	11.7	8.8	5.9	8.8	11.7
127.5°	8.8	8.8	2.9	5.9	8.8
130°	8.8	5.9	2.9	5.9	5.9
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)