

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: P384591

Luminaire Tested: **14ID-60-L835-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-60-L835-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

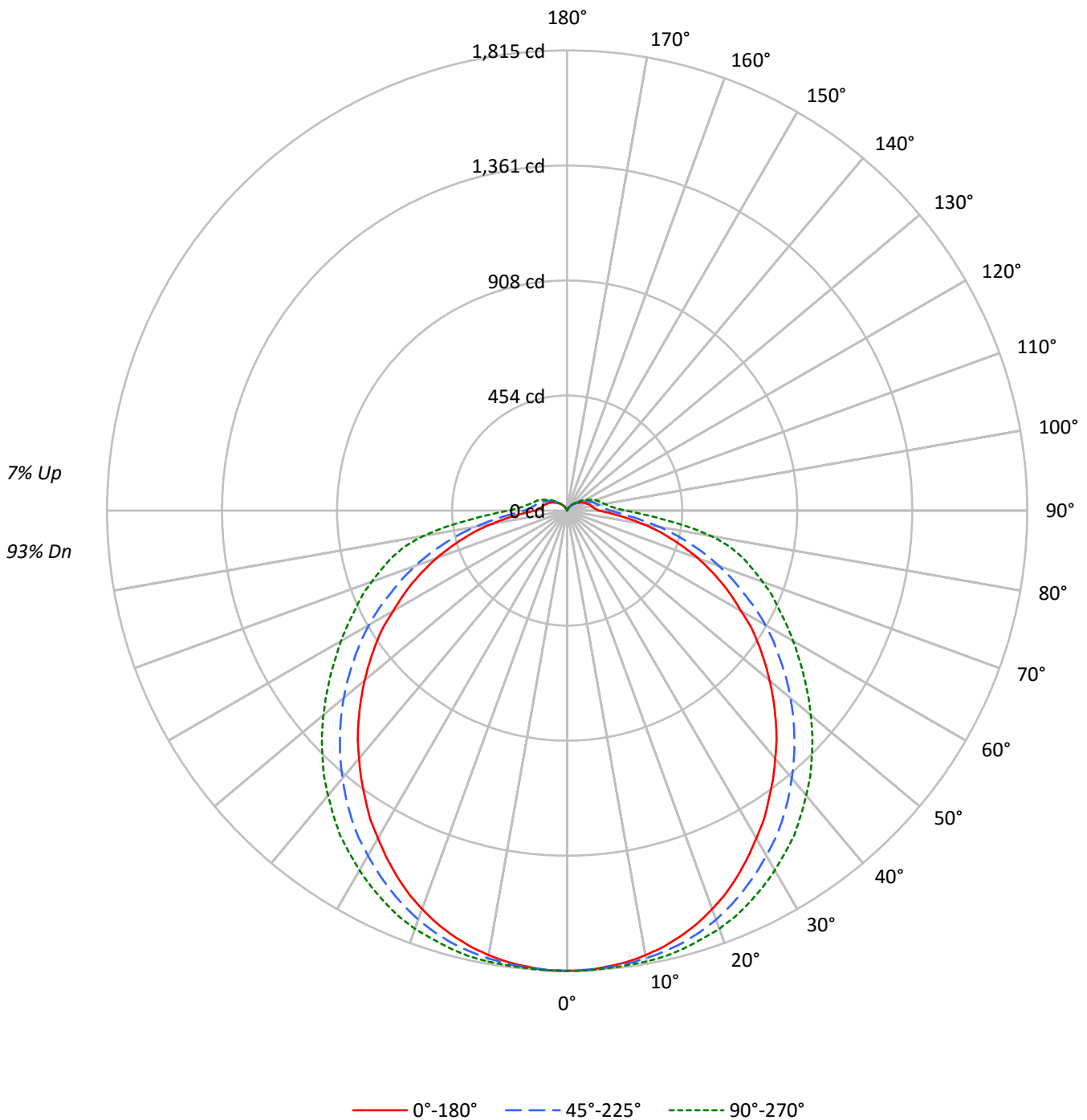
Lumens per Lamp: N/A
Luminaire Lumens: 6352.8 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4885	4885	4885
5°	4852	4794	4790
10°	4812	4716	4726
15°	4757	4641	4666
20°	4684	4551	4607
25°	4589	4443	4533
30°	4475	4331	4448
35°	4368	4218	4367
40°	4262	4084	4259
45°	4165	3950	4157
50°	4061	3811	4047
55°	3971	3661	3943
60°	3847	3515	3867
65°	3771	3312	3822
70°	3680	3118	3827
75°	3553	2852	3851
80°	3444	2528	3696
85°	3481	2137	2967



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.1	2.7
10°-20°	497.4	7.8
20°-30°	760.0	12.0
30°-40°	925.1	14.6
40°-50°	977.8	15.4
50°-60°	923.0	14.5
60°-70°	776.5	12.2
70°-80°	559.8	8.8
80°-90°	295.3	4.6
90°-100°	158.1	2.5
100°-110°	120.0	1.9
110°-120°	87.0	1.4
120°-130°	54.7	0.9
130°-140°	29.5	0.5
140°-150°	12.9	0.2
150°-160°	3.4	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1429.5	22.5
0°-40°	2354.7	37.1
0°-60°	4255.4	67.0
0°-90°	5887.1	92.7
90°-120°	365.1	5.7
90°-150°	462.2	7.3
90°-180°	466.0	7.3
0°-180°	6352.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1815	1815	1815	1815	1815	
5°	1806	1806	1809	1809	1812	172
15°	1736	1742	1765	1777	1787	490
25°	1590	1610	1651	1689	1704	732
35°	1388	1419	1483	1540	1562	869
45°	1163	1198	1267	1337	1366	897
55°	922	963	1026	1102	1141	824
65°	672	710	767	862	922	664
75°	421	456	501	599	716	447
85°	193	219	244	304	371	181
90°	124	146	168	200	228	71
95°	108	124	143	162	174	86
105°	92	101	114	127	133	96
115°	73	79	89	95	101	73
125°	54	54	63	63	66	48
135°	38	35	38	38	41	29
145°	22	19	19	19	22	14
155°	10	10	3	6	10	5
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°	1815.4	1815.4	1815.4	1815.4	1815.4
2.5°	1815.4	1812.2	1812.2	1812.2	1815.4
5°	1805.9	1805.9	1809.1	1809.1	1812.2
7.5°	1796.4	1796.4	1802.7	1805.9	1809.1
10°	1780.6	1783.7	1793.2	1799.6	1805.9
12.5°	1761.5	1764.7	1780.6	1793.2	1799.6
15°	1736.2	1742.5	1764.7	1777.4	1786.9
17.5°	1707.7	1717.2	1742.5	1761.5	1771.0
20°	1672.8	1685.5	1717.2	1742.5	1755.2
22.5°	1634.8	1647.5	1685.5	1717.2	1733.0
25°	1590.5	1609.5	1650.7	1688.7	1704.5
27.5°	1542.9	1565.1	1612.6	1657.0	1672.8
30°	1492.2	1517.6	1571.5	1619.0	1638.0
32.5°	1444.7	1470.1	1530.3	1581.0	1600.0
35°	1387.7	1419.4	1482.7	1539.8	1561.9
37.5°	1333.8	1365.5	1432.0	1492.2	1514.4
40°	1276.8	1308.5	1378.2	1444.7	1466.9
42.5°	1222.9	1254.6	1324.3	1394.0	1419.4
45°	1162.7	1197.6	1267.3	1337.0	1365.5
47.5°	1102.5	1137.4	1210.3	1283.1	1311.7
50°	1042.4	1080.4	1150.1	1222.9	1254.6
52.5°	982.2	1020.2	1089.9	1165.9	1197.6
55°	922.0	963.1	1026.5	1102.5	1140.6
57.5°	861.8	903.0	966.3	1045.5	1083.5
60°	792.1	839.6	903.0	985.3	1029.7
62.5°	731.9	773.1	836.4	922.0	975.8
65°	671.7	709.7	766.7	861.8	922.0
67.5°	608.3	649.5	703.4	792.1	874.4
70°	548.1	583.0	636.8	728.7	820.6
72.5°	484.7	519.6	570.3	665.3	766.7
75°	421.4	456.2	500.6	598.8	716.0
77.5°	364.3	392.9	434.0	529.1	655.8
80°	301.0	329.5	367.5	453.1	576.6
82.5°	244.0	269.3	301.0	377.0	475.2
85°	193.3	218.6	244.0	304.2	370.7
87.5°	155.2	174.3	199.6	244.0	288.3
90°	123.6	145.7	167.9	199.6	228.1
92.5°	114.1	133.1	152.1	177.4	196.4
95°	107.7	123.6	142.6	161.6	174.3
97.5°	101.4	117.2	133.1	152.1	161.6
100°	98.2	110.9	126.7	142.6	148.9
102.5°	95.0	104.6	120.4	133.1	142.6
105°	91.9	101.4	114.1	126.7	133.1
107.5°	85.5	95.0	107.7	120.4	126.7
110°	82.4	88.7	101.4	110.9	120.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	79.2	85.5	95.0	104.6	110.9
115°	72.9	79.2	88.7	95.0	101.4
117.5°	69.7	72.9	82.4	85.5	91.9
120°	63.4	66.5	76.0	79.2	82.4
122.5°	57.0	60.2	69.7	69.7	76.0
125°	53.9	53.9	63.4	63.4	66.5
127.5°	50.7	50.7	57.0	57.0	60.2
130°	44.4	44.4	50.7	50.7	50.7
132.5°	41.2	38.0	44.4	44.4	47.5
135°	38.0	34.9	38.0	38.0	41.2
137.5°	31.7	31.7	34.9	31.7	34.9
140°	28.5	25.3	28.5	28.5	31.7
142.5°	25.3	22.2	25.3	22.2	25.3
145°	22.2	19.0	19.0	19.0	22.2
147.5°	19.0	15.8	15.8	15.8	19.0
150°	15.8	12.7	12.7	12.7	15.8
152.5°	12.7	9.5	6.3	9.5	12.7
155°	9.5	9.5	3.2	6.3	9.5
157.5°	6.3	6.3	0.0	3.2	6.3
160°	3.2	3.2	0.0	3.2	3.2
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)