

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: P384611

Luminaire Tested: **14ID-85-L835-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384611
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-85-L835-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

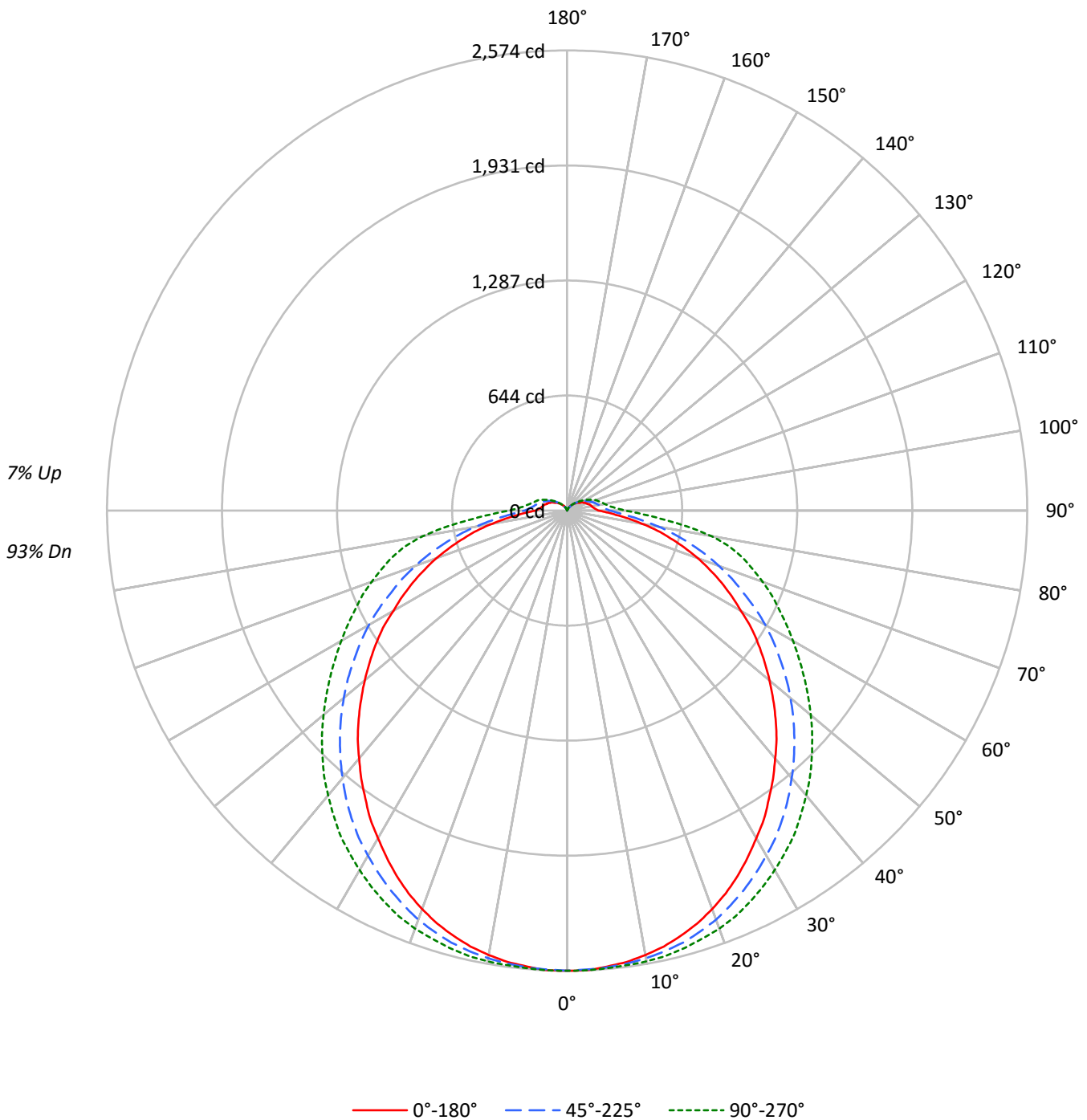
Lumens per Lamp: N/A
Luminaire Lumens: 9006.9 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 83.3
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°	6926	6926	6926
5°	6879	6797	6792
10°	6823	6687	6701
15°	6745	6581	6615
20°	6641	6453	6532
25°	6506	6300	6426
30°	6345	6140	6306
35°	6192	5981	6191
40°	6042	5790	6039
45°	5905	5600	5894
50°	5758	5403	5737
55°	5630	5190	5591
60°	5454	4983	5483
65°	5347	4696	5418
70°	5218	4420	5426
75°	5036	4044	5460
80°	4882	3584	5240
85°	4935	3029	4207



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.0	2.7
10°-20°	705.2	7.8
20°-30°	1077.5	12.0
30°-40°	1311.6	14.6
40°-50°	1386.3	15.4
50°-60°	1308.6	14.5
60°-70°	1100.9	12.2
70°-80°	793.7	8.8
80°-90°	418.6	4.6
90°-100°	224.1	2.5
100°-110°	170.2	1.9
110°-120°	123.4	1.4
120°-130°	77.5	0.9
130°-140°	41.9	0.5
140°-150°	18.3	0.2
150°-160°	4.9	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	2026.8	22.5
0°-40°	3338.4	37.1
0°-60°	6033.3	67.0
0°-90°	8346.6	92.7
90°-120°	517.7	5.7
90°-150°	655.3	7.3
90°-180°	660.0	7.3
0°-180°	9006.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2574	2574	2574	2574	2574	
5°	2560	2560	2565	2565	2569	243
15°	2462	2470	2502	2520	2533	694
25°	2255	2282	2340	2394	2417	1038
35°	1967	2012	2102	2183	2214	1232
45°	1648	1698	1797	1896	1936	1272
55°	1307	1366	1455	1563	1617	1168
65°	952	1006	1087	1222	1307	941
75°	597	647	710	849	1015	634
85°	274	310	346	431	526	257
90°	175	207	238	283	323	100
95°	153	175	202	229	247	122
105°	130	144	162	180	189	136
115°	103	112	126	135	144	104
125°	76	76	90	90	94	69
135°	54	49	54	54	58	41
145°	31	27	27	27	31	20
155°	14	14	4	9	14	6
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°	2573.9	2573.9	2573.9	2573.9	2573.9
2.5°	2573.9	2569.4	2569.4	2569.4	2573.9
5°	2560.4	2560.4	2564.9	2564.9	2569.4
7.5°	2546.9	2546.9	2555.9	2560.4	2564.9
10°	2524.4	2528.9	2542.4	2551.4	2560.4
12.5°	2497.5	2502.0	2524.4	2542.4	2551.4
15°	2461.6	2470.5	2502.0	2520.0	2533.4
17.5°	2421.1	2434.6	2470.5	2497.5	2511.0
20°	2371.7	2389.7	2434.6	2470.5	2488.5
22.5°	2317.8	2335.8	2389.7	2434.6	2457.1
25°	2254.9	2281.9	2340.3	2394.2	2416.6
27.5°	2187.6	2219.0	2286.4	2349.3	2371.7
30°	2115.7	2151.6	2228.0	2295.4	2322.3
32.5°	2048.3	2084.2	2169.6	2241.5	2268.4
35°	1967.4	2012.4	2102.2	2183.1	2214.5
37.5°	1891.1	1936.0	2030.3	2115.7	2147.1
40°	1810.2	1855.2	1954.0	2048.3	2079.7
42.5°	1733.9	1778.8	1877.6	1976.4	2012.4
45°	1648.5	1697.9	1796.8	1895.6	1936.0
47.5°	1563.2	1612.6	1715.9	1819.2	1859.6
50°	1477.8	1531.7	1630.6	1733.9	1778.8
52.5°	1392.5	1446.4	1545.2	1653.0	1697.9
55°	1307.1	1365.5	1455.4	1563.2	1617.1
57.5°	1221.8	1280.2	1370.0	1482.3	1536.2
60°	1123.0	1190.4	1280.2	1397.0	1459.9
62.5°	1037.6	1096.0	1185.9	1307.1	1383.5
65°	952.3	1006.2	1087.0	1221.8	1307.1
67.5°	862.4	920.8	997.2	1123.0	1239.8
70°	777.1	826.5	902.9	1033.1	1163.4
72.5°	687.3	736.7	808.5	943.3	1087.0
75°	597.4	646.8	709.7	849.0	1015.2
77.5°	516.6	557.0	615.4	750.1	929.8
80°	426.7	467.2	521.1	642.3	817.5
82.5°	345.9	381.8	426.7	534.5	673.8
85°	274.0	309.9	345.9	431.2	525.6
87.5°	220.1	247.1	283.0	345.9	408.8
90°	175.2	206.6	238.1	283.0	323.4
92.5°	161.7	188.7	215.6	251.5	278.5
95°	152.7	175.2	202.1	229.1	247.1
97.5°	143.7	166.2	188.7	215.6	229.1
100°	139.2	157.2	179.7	202.1	211.1
102.5°	134.8	148.2	170.7	188.7	202.1
105°	130.3	143.7	161.7	179.7	188.7
107.5°	121.3	134.8	152.7	170.7	179.7
110°	116.8	125.8	143.7	157.2	170.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	112.3	121.3	134.8	148.2	157.2
115°	103.3	112.3	125.8	134.8	143.7
117.5°	98.8	103.3	116.8	121.3	130.3
120°	89.8	94.3	107.8	112.3	116.8
122.5°	80.9	85.3	98.8	98.8	107.8
125°	76.4	76.4	89.8	89.8	94.3
127.5°	71.9	71.9	80.9	80.9	85.3
130°	62.9	62.9	71.9	71.9	71.9
132.5°	58.4	53.9	62.9	62.9	67.4
135°	53.9	49.4	53.9	53.9	58.4
137.5°	44.9	44.9	49.4	44.9	49.4
140°	40.4	35.9	40.4	40.4	44.9
142.5°	35.9	31.4	35.9	31.4	35.9
145°	31.4	27.0	27.0	27.0	31.4
147.5°	27.0	22.5	22.5	22.5	27.0
150°	22.5	18.0	18.0	18.0	22.5
152.5°	18.0	13.5	9.0	13.5	18.0
155°	13.5	13.5	4.5	9.0	13.5
157.5°	9.0	9.0	0.0	4.5	9.0
160°	4.5	4.5	0.0	4.5	4.5
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)