

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: P384267

Luminaire Tested: **14ID-75-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-68)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-75-L835-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

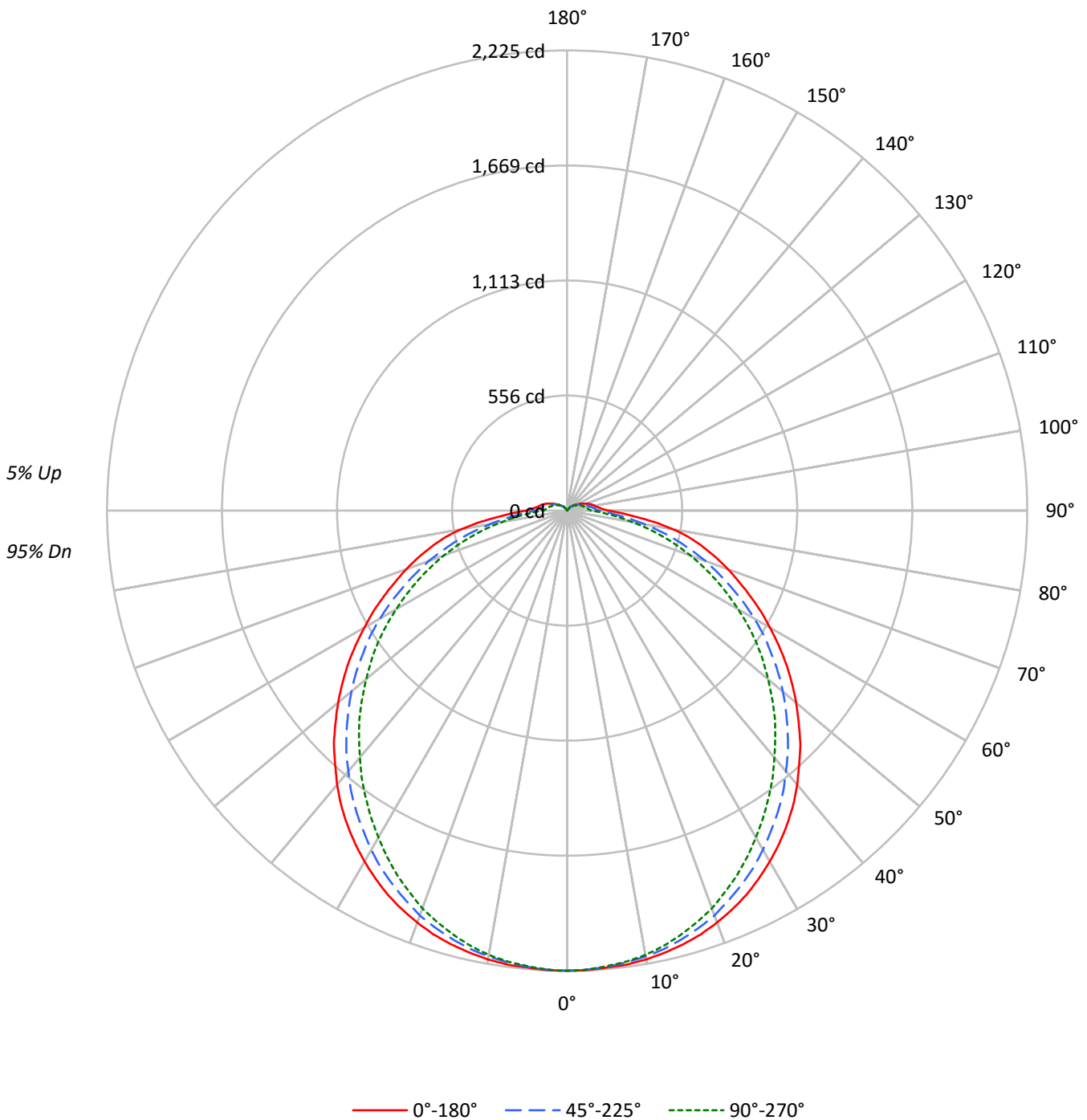
Lumens per Lamp: N/A
Luminaire Lumens: 7217.0 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 70.9
Input Voltage (V): NR
Input Current (Ain): 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55	53
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47	45
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36	33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25	24
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5988	5988	5988
5°	5969	5905	5886
10°	5977	5829	5790
15°	5980	5749	5662
20°	5979	5662	5526
25°	5972	5545	5358
30°	5945	5423	5172
35°	5917	5292	4992
40°	5872	5146	4804
45°	5828	5001	4633
50°	5766	4850	4426
55°	5725	4672	4237
60°	5685	4482	3985
65°	5705	4229	3724
70°	5836	3978	3420
75°	6128	3640	3034
80°	6528	3197	2553
85°	6856	2766	2091



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.6	2.9
10°-20°	605.6	8.4
20°-30°	919.8	12.7
30°-40°	1111.0	15.4
40°-50°	1162.8	16.1
50°-60°	1079.0	15.0
60°-70°	874.0	12.1
70°-80°	589.8	8.2
80°-90°	285.0	3.9
90°-100°	143.3	2.0
100°-110°	104.2	1.4
110°-120°	69.7	1.0
120°-130°	40.4	0.6
130°-140°	20.4	0.3
140°-150°	1.6	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1736.0	24.1
0°-40°	2847.0	39.4
0°-60°	5088.8	70.5
0°-90°	6837.5	94.7
90°-120°	317.2	4.4
90°-150°	379.5	5.3
90°-180°	379.0	5.3
0°-180°	7217.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2225	2225	2225	2225	2225	
5°	2218	2214	2214	2211	2211	211
15°	2170	2160	2145	2130	2123	613
25°	2050	2032	1996	1959	1945	945
35°	1854	1828	1777	1723	1697	1160
45°	1595	1566	1508	1446	1420	1229
55°	1293	1264	1205	1147	1118	1156
65°	976	940	874	827	794	969
75°	681	612	543	503	473	717
85°	328	284	240	218	197	310
90°	197	178	153	138	116	112
95°	157	146	131	116	102	123
105°	116	109	98	87	80	124
115°	80	73	73	62	62	80
125°	51	44	47	40	44	45
135°	29	26	26	26	29	23
145°	0	0	0	0	0	2
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°	2225.1	2225.1	2225.1	2225.1	2225.1
2.5°	2225.1	2221.5	2221.5	2221.5	2221.5
5°	2217.9	2214.2	2214.2	2210.6	2210.6
7.5°	2214.2	2206.9	2203.3	2199.6	2199.6
10°	2203.3	2196.0	2188.7	2181.4	2181.4
12.5°	2188.7	2181.4	2170.5	2155.9	2155.9
15°	2170.5	2159.6	2145.0	2130.5	2123.2
17.5°	2148.7	2137.7	2115.9	2094.0	2086.7
20°	2119.5	2105.0	2083.1	2054.0	2046.7
22.5°	2086.7	2072.2	2039.4	2010.3	1995.7
25°	2050.3	2032.1	1995.7	1959.3	1944.7
27.5°	2006.6	1988.4	1948.4	1904.7	1886.4
30°	1959.3	1937.4	1893.7	1846.4	1824.5
32.5°	1908.3	1882.8	1835.5	1784.5	1762.6
35°	1853.7	1828.2	1777.2	1722.6	1697.1
37.5°	1795.4	1769.9	1715.3	1657.0	1631.5
40°	1729.9	1704.4	1646.1	1587.8	1558.7
42.5°	1660.7	1638.8	1580.5	1518.6	1489.5
45°	1595.1	1566.0	1507.7	1445.8	1420.3
47.5°	1518.6	1496.8	1434.9	1373.0	1343.8
50°	1445.8	1420.3	1362.0	1300.1	1267.3
52.5°	1369.3	1347.5	1285.6	1223.6	1194.5
55°	1292.8	1263.7	1205.4	1147.2	1118.0
57.5°	1212.7	1187.2	1129.0	1074.3	1037.9
60°	1132.6	1107.1	1045.2	994.2	954.2
62.5°	1056.1	1027.0	961.4	906.8	874.0
65°	976.0	939.6	874.0	826.7	793.9
67.5°	899.5	855.8	790.3	746.6	713.8
70°	826.7	775.7	710.2	666.4	633.7
72.5°	753.9	691.9	622.7	582.7	553.6
75°	681.0	611.8	542.6	502.6	473.4
77.5°	608.2	528.1	458.9	426.1	397.0
80°	520.8	444.3	378.7	349.6	320.5
82.5°	422.4	360.5	305.9	276.8	254.9
85°	327.8	284.1	240.4	218.5	196.7
87.5°	254.9	222.1	189.4	171.2	153.0
90°	196.7	178.4	153.0	138.4	116.5
92.5°	171.2	156.6	138.4	123.8	105.6
95°	156.6	145.7	131.1	116.5	102.0
97.5°	142.0	134.7	120.2	109.3	94.7
100°	134.7	123.8	112.9	102.0	91.0
102.5°	127.5	116.5	105.6	94.7	87.4
105°	116.5	109.3	98.3	87.4	80.1
107.5°	109.3	98.3	91.0	80.1	76.5
110°	98.3	91.0	83.8	76.5	72.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	87.4	83.8	76.5	69.2	65.6
115°	80.1	72.8	72.8	61.9	61.9
117.5°	72.8	65.6	65.6	58.3	58.3
120°	61.9	58.3	58.3	51.0	51.0
122.5°	54.6	51.0	51.0	47.3	47.3
125°	51.0	43.7	47.3	40.1	43.7
127.5°	43.7	40.1	40.1	36.4	40.1
130°	36.4	32.8	32.8	32.8	36.4
132.5°	32.8	29.1	29.1	29.1	32.8
135°	29.1	25.5	25.5	25.5	29.1
137.5°	25.5	21.9	18.2	21.9	25.5
140°	21.9	18.2	14.6	18.2	21.9
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)