

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: P384663

Luminaire Tested: **22ID-80-L835-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384663
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: 22ID-80-L835-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

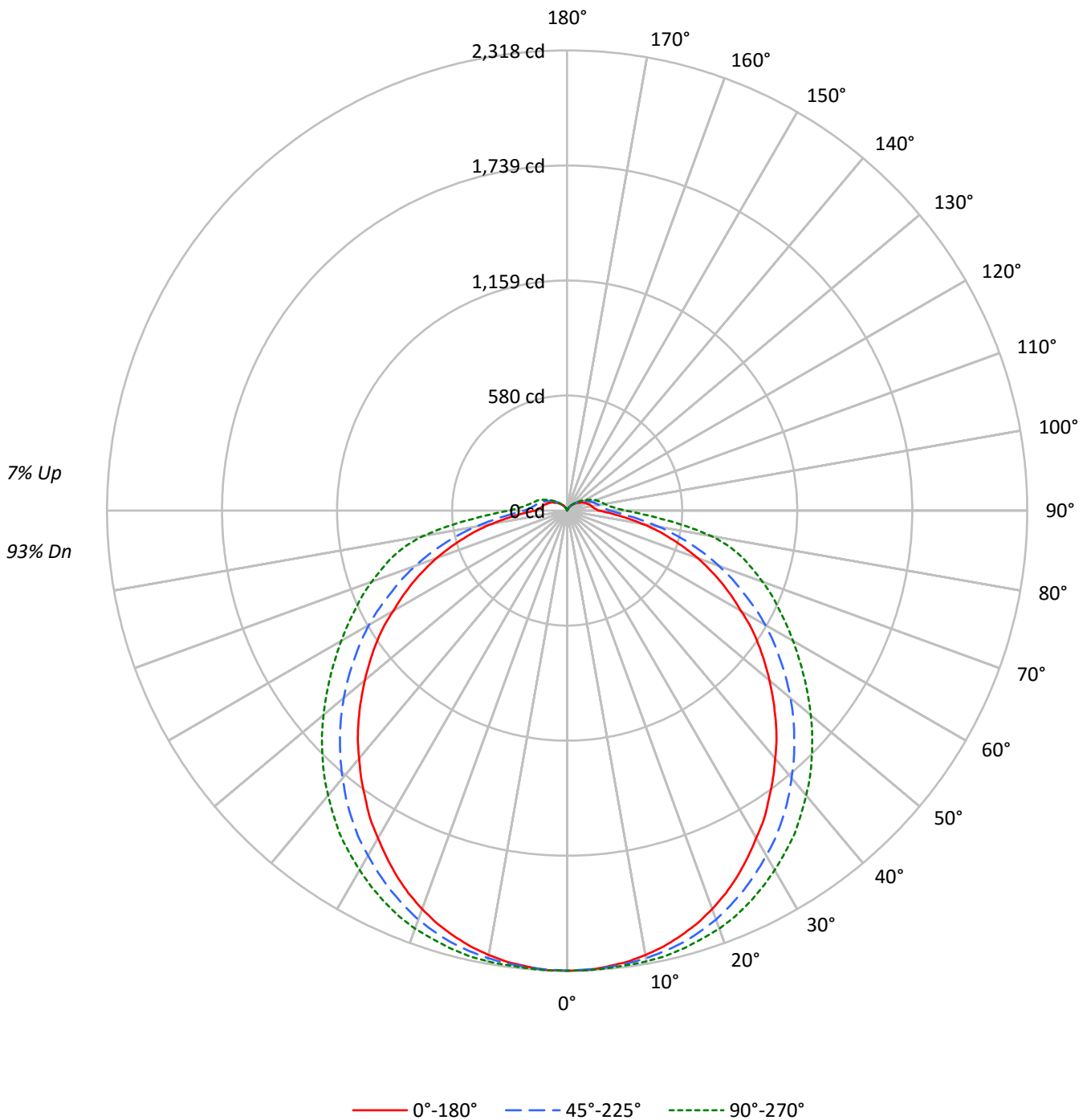
Lumens per Lamp: N/A
Luminaire Lumens: 8110.6 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 70.8
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°	6237	6237	6237
5°	6161	6144	6182
10°	6078	6067	6164
15°	5975	5993	6150
20°	5850	5899	6138
25°	5697	5781	6106
30°	5521	5657	6061
35°	5352	5534	6024
40°	5183	5382	5954
45°	5022	5233	5897
50°	4849	5077	5836
55°	4686	4909	5797
60°	4474	4750	5816
65°	4306	4520	5911
70°	4098	4305	6135
75°	3814	4004	6481
80°	3485	3631	6676
85°	3136	3184	6017



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.8	2.7
10°-20°	635.1	7.8
20°-30°	970.3	12.0
30°-40°	1181.1	14.6
40°-50°	1248.4	15.4
50°-60°	1178.4	14.5
60°-70°	991.4	12.2
70°-80°	714.7	8.8
80°-90°	377.0	4.6
90°-100°	201.8	2.5
100°-110°	153.2	1.9
110°-120°	111.1	1.4
120°-130°	69.8	0.9
130°-140°	37.7	0.5
140°-150°	16.5	0.2
150°-160°	4.4	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1825.1	22.5
0°-40°	3006.2	37.1
0°-60°	5432.9	67.0
0°-90°	7516.0	92.7
90°-120°	466.1	5.7
90°-150°	590.1	7.3
90°-180°	595.0	7.3
0°-180°	8110.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2318	2318	2318	2318	2318	
5°	2306	2306	2310	2310	2314	219
15°	2217	2225	2253	2269	2281	625
25°	2030	2055	2107	2156	2176	935
35°	1772	1812	1893	1966	1994	1110
45°	1484	1529	1618	1707	1743	1146
55°	1177	1230	1310	1408	1456	1052
65°	858	906	979	1100	1177	848
75°	538	582	639	764	914	571
85°	247	279	312	388	473	231
90°	158	186	214	255	291	90
95°	138	158	182	206	222	110
105°	117	129	146	162	170	123
115°	93	101	113	121	129	93
125°	69	69	81	81	85	62
135°	48	44	48	48	53	37
145°	28	24	24	24	28	18
155°	12	12	4	8	12	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°	2317.7	2317.7	2317.7	2317.7	2317.7
2.5°	2317.7	2313.7	2313.7	2313.7	2317.7
5°	2305.6	2305.6	2309.6	2309.6	2313.7
7.5°	2293.5	2293.5	2301.5	2305.6	2309.6
10°	2273.2	2277.3	2289.4	2297.5	2305.6
12.5°	2249.0	2253.0	2273.2	2289.4	2297.5
15°	2216.6	2224.7	2253.0	2269.2	2281.3
17.5°	2180.2	2192.3	2224.7	2249.0	2261.1
20°	2135.7	2151.9	2192.3	2224.7	2240.9
22.5°	2087.2	2103.3	2151.9	2192.3	2212.6
25°	2030.5	2054.8	2107.4	2155.9	2176.2
27.5°	1969.9	1998.2	2058.8	2115.5	2135.7
30°	1905.1	1937.5	2006.3	2066.9	2091.2
32.5°	1844.5	1876.8	1953.7	2018.4	2042.7
35°	1771.7	1812.1	1893.0	1965.8	1994.1
37.5°	1702.9	1743.3	1828.3	1905.1	1933.5
40°	1630.1	1670.5	1759.5	1844.5	1872.8
42.5°	1561.3	1601.8	1690.8	1779.8	1812.1
45°	1484.5	1529.0	1618.0	1706.9	1743.3
47.5°	1407.6	1452.1	1545.1	1638.2	1674.6
50°	1330.8	1379.3	1468.3	1561.3	1601.8
52.5°	1253.9	1302.5	1391.4	1488.5	1529.0
55°	1177.1	1229.6	1310.5	1407.6	1456.2
57.5°	1100.2	1152.8	1233.7	1334.8	1383.4
60°	1011.2	1071.9	1152.8	1258.0	1314.6
62.5°	934.4	987.0	1067.9	1177.1	1245.8
65°	857.5	906.1	978.9	1100.2	1177.1
67.5°	776.6	829.2	898.0	1011.2	1116.4
70°	699.8	744.3	813.0	930.3	1047.6
72.5°	618.9	663.4	728.1	849.4	978.9
75°	538.0	582.5	639.1	764.5	914.1
77.5°	465.2	501.6	554.1	675.5	837.3
80°	384.3	420.7	469.2	578.4	736.2
82.5°	311.5	343.8	384.3	481.3	606.7
85°	246.7	279.1	311.5	388.3	473.3
87.5°	198.2	222.5	254.8	311.5	368.1
90°	157.8	186.1	214.4	254.8	291.2
92.5°	145.6	169.9	194.2	226.5	250.8
95°	137.5	157.8	182.0	206.3	222.5
97.5°	129.4	149.7	169.9	194.2	206.3
100°	125.4	141.6	161.8	182.0	190.1
102.5°	121.3	133.5	153.7	169.9	182.0
105°	117.3	129.4	145.6	161.8	169.9
107.5°	109.2	121.3	137.5	153.7	161.8
110°	105.2	113.3	129.4	141.6	153.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	101.1	109.2	121.3	133.5	141.6
115°	93.0	101.1	113.3	121.3	129.4
117.5°	89.0	93.0	105.2	109.2	117.3
120°	80.9	84.9	97.1	101.1	105.2
122.5°	72.8	76.9	89.0	89.0	97.1
125°	68.8	68.8	80.9	80.9	84.9
127.5°	64.7	64.7	72.8	72.8	76.9
130°	56.6	56.6	64.7	64.7	64.7
132.5°	52.6	48.5	56.6	56.6	60.7
135°	48.5	44.5	48.5	48.5	52.6
137.5°	40.4	40.4	44.5	40.4	44.5
140°	36.4	32.4	36.4	36.4	40.4
142.5°	32.4	28.3	32.4	28.3	32.4
145°	28.3	24.3	24.3	24.3	28.3
147.5°	24.3	20.2	20.2	20.2	24.3
150°	20.2	16.2	16.2	16.2	20.2
152.5°	16.2	12.1	8.1	12.1	16.2
155°	12.1	12.1	4.0	8.1	12.1
157.5°	8.1	8.1	0.0	4.0	8.1
160°	4.0	4.0	0.0	4.0	4.0
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)