

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: P384149

Luminaire Tested: **22ID-65-L850-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384149
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: 22ID-65-L850-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

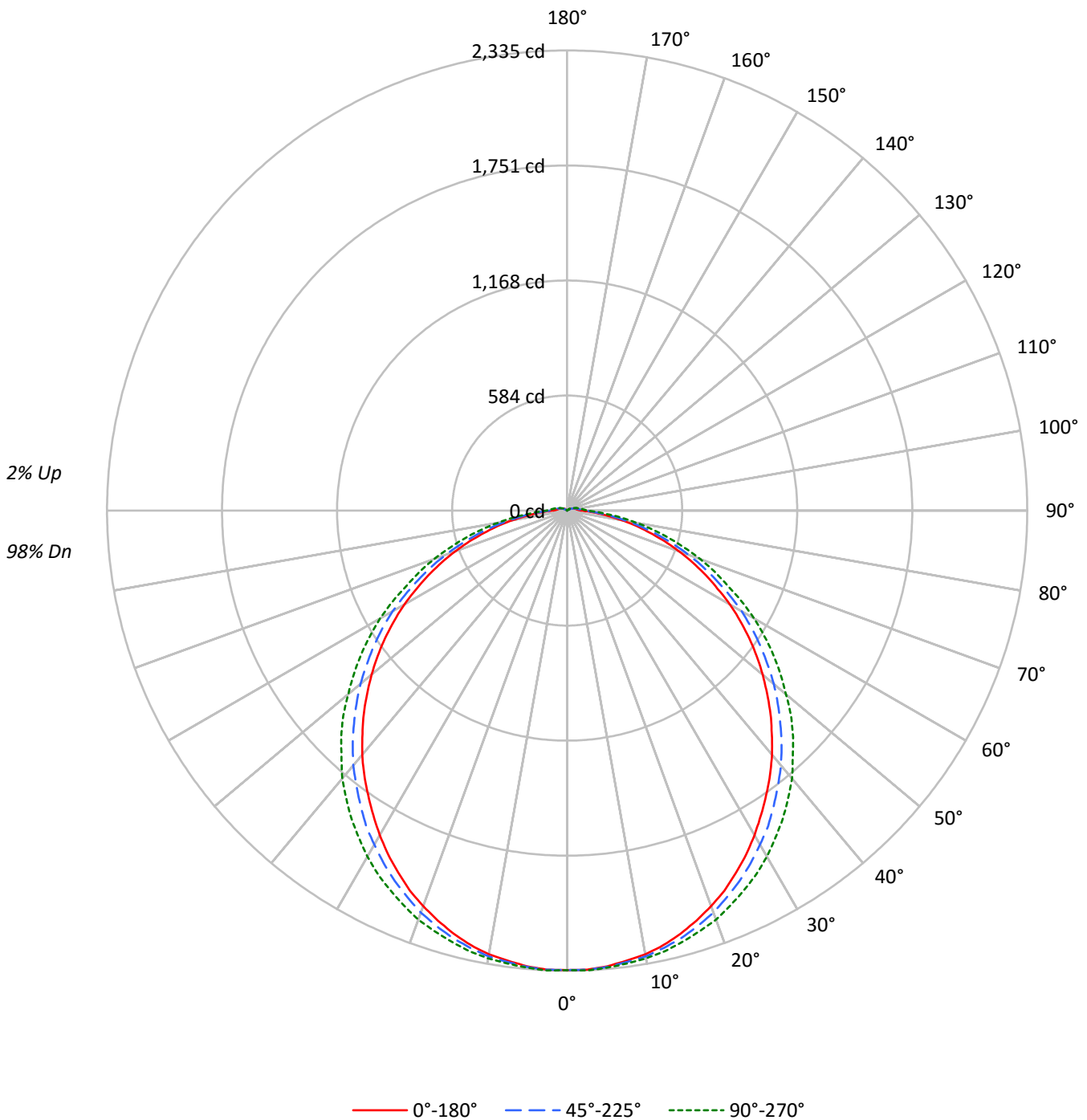
Lumens per Lamp: N/A
Luminaire Lumens: 6905.9 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 56.6
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	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°	6275	6275	6275
5°	6248	6248	6267
10°	6202	6211	6259
15°	6125	6155	6241
20°	6025	6086	6232
25°	5904	5990	6190
30°	5769	5882	6151
35°	5621	5766	6091
40°	5490	5649	6025
45°	5334	5499	5922
50°	5167	5355	5781
55°	4992	5182	5659
60°	4798	4993	5501
65°	4544	4711	5239
70°	4252	4434	5067
75°	3906	4059	4789
80°	3511	3620	4476
85°	3150	3231	4248



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.8	3.2
10°-20°	633.0	9.2
20°-30°	955.8	13.8
30°-40°	1145.2	16.6
40°-50°	1184.0	17.1
50°-60°	1072.2	15.5
60°-70°	829.7	12.0
70°-80°	509.6	7.4
80°-90°	202.5	2.9
90°-100°	73.8	1.1
100°-110°	45.4	0.7
110°-120°	23.3	0.3
120°-130°	10.0	0.1
130°-140°	0.7	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°	1809.6	26.2
0°-40°	2954.8	42.8
0°-60°	5210.9	75.5
0°-90°	6752.7	97.8
90°-120°	142.6	2.1
90°-150°	153.2	2.2
90°-180°	153.0	2.2
0°-180°	6905.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2332	2332	2332	2332	2332	
5°	2321	2321	2325	2325	2328	220
15°	2223	2227	2244	2258	2265	627
25°	2027	2041	2073	2108	2125	934
35°	1761	1782	1828	1877	1908	1103
45°	1460	1478	1530	1593	1621	1125
55°	1127	1152	1197	1250	1278	1007
65°	777	795	833	875	896	769
75°	434	455	476	508	532	463
85°	151	161	175	193	203	150
90°	70	80	88	98	105	41
95°	52	60	66	74	80	42
105°	38	38	42	46	49	41
115°	24	21	21	24	28	25
125°	14	10	7	10	14	13
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°	2331.8	2331.8	2331.8	2331.8	2331.8
2.5°	2331.8	2328.3	2331.8	2331.8	2335.3
5°	2321.3	2321.3	2324.8	2324.8	2328.3
7.5°	2303.8	2303.8	2310.8	2314.3	2317.8
10°	2286.3	2286.3	2296.8	2300.3	2307.3
12.5°	2258.3	2261.8	2272.3	2282.8	2289.8
15°	2223.2	2226.7	2244.3	2258.3	2265.3
17.5°	2181.2	2188.2	2209.2	2230.2	2237.3
20°	2135.7	2146.2	2170.7	2195.2	2209.2
22.5°	2086.7	2093.7	2121.7	2153.2	2167.2
25°	2027.2	2041.2	2072.7	2107.7	2125.2
27.5°	1967.7	1981.7	2016.7	2058.7	2079.7
30°	1901.1	1915.1	1957.2	2002.7	2027.2
32.5°	1831.1	1848.6	1897.6	1943.2	1967.7
35°	1761.1	1782.1	1827.6	1876.6	1908.1
37.5°	1691.1	1708.6	1757.6	1810.1	1841.6
40°	1617.5	1635.0	1687.6	1740.1	1775.1
42.5°	1537.0	1558.0	1610.5	1666.6	1694.6
45°	1460.0	1477.5	1530.0	1593.0	1621.0
47.5°	1376.0	1400.5	1449.5	1509.0	1540.5
50°	1295.4	1316.4	1369.0	1425.0	1449.5
52.5°	1211.4	1232.4	1281.4	1337.4	1365.5
55°	1127.4	1151.9	1197.4	1249.9	1277.9
57.5°	1039.8	1064.4	1109.9	1155.4	1186.9
60°	955.8	980.3	1022.3	1067.9	1095.9
62.5°	861.3	882.3	927.8	976.8	997.8
65°	777.3	794.8	833.3	875.3	896.3
67.5°	689.7	710.7	745.8	784.3	808.8
70°	602.2	626.7	654.7	689.7	717.7
72.5°	518.2	539.2	563.7	598.7	623.2
75°	434.1	455.2	476.2	507.7	532.2
77.5°	360.6	371.1	392.1	420.1	444.6
80°	280.1	294.1	311.6	339.6	357.1
82.5°	210.1	224.1	238.1	259.1	276.6
85°	150.6	161.1	175.1	192.6	203.1
87.5°	101.5	112.0	122.5	136.5	147.0
90°	70.0	80.5	87.5	98.0	105.0
92.5°	59.5	66.5	73.5	80.5	87.5
95°	52.5	59.5	66.5	73.5	80.5
97.5°	49.0	52.5	59.5	66.5	70.0
100°	45.5	49.0	52.5	59.5	63.0
102.5°	42.0	42.0	49.0	52.5	56.0
105°	38.5	38.5	42.0	45.5	49.0
107.5°	35.0	35.0	38.5	38.5	45.5
110°	31.5	28.0	31.5	31.5	38.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	28.0	24.5	28.0	28.0	31.5
115°	24.5	21.0	21.0	24.5	28.0
117.5°	21.0	17.5	17.5	17.5	24.5
120°	21.0	17.5	14.0	14.0	21.0
122.5°	17.5	14.0	10.5	14.0	17.5
125°	14.0	10.5	7.0	10.5	14.0
127.5°	10.5	10.5	3.5	7.0	10.5
130°	10.5	7.0	3.5	7.0	7.0
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)