

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: P384317

Luminaire Tested: **22ID-65-L850-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384317
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: 22ID-65-L850-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

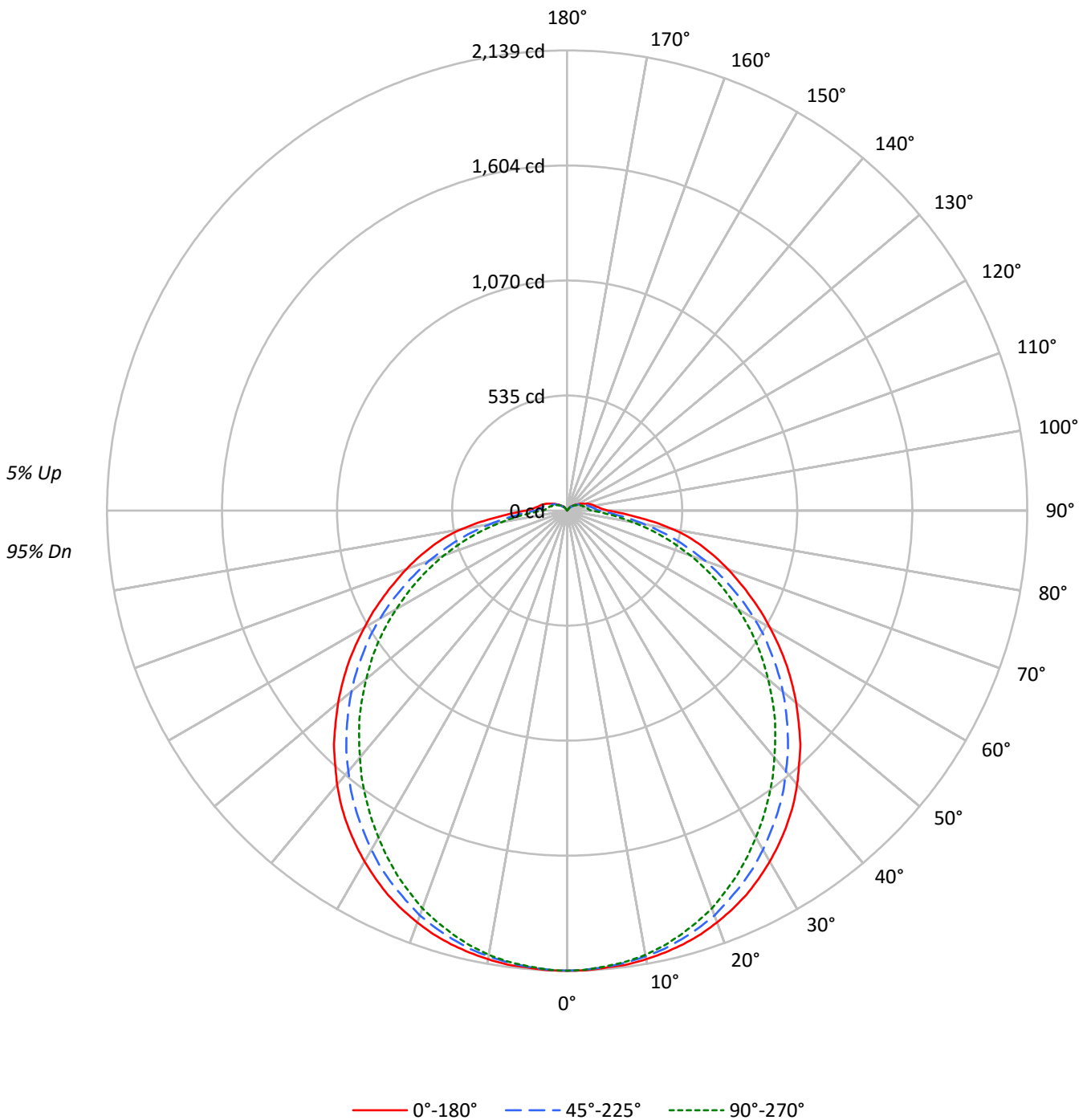
Lumens per Lamp: N/A
Luminaire Lumens: 6937.4 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

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	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°	5756	5756	5756
5°	5717	5691	5699
10°	5704	5632	5647
15°	5686	5568	5562
20°	5663	5498	5468
25°	5633	5399	5343
30°	5584	5296	5200
35°	5531	5184	5064
40°	5460	5058	4919
45°	5386	4934	4796
50°	5293	4806	4640
55°	5211	4653	4506
60°	5120	4491	4314
65°	5068	4271	4123
70°	5088	4057	3900
75°	5191	3767	3609
80°	5268	3382	3242
85°	4983	3039	2989



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.4	2.9
10°-20°	582.1	8.4
20°-30°	884.2	12.7
30°-40°	1068.0	15.4
40°-50°	1117.8	16.1
50°-60°	1037.2	15.0
60°-70°	840.1	12.1
70°-80°	566.9	8.2
80°-90°	273.9	3.9
90°-100°	137.8	2.0
100°-110°	100.1	1.4
110°-120°	66.9	1.0
120°-130°	38.8	0.6
130°-140°	19.6	0.3
140°-150°	1.5	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1668.7	24.1
0°-40°	2736.7	39.4
0°-60°	4891.7	70.5
0°-90°	6572.7	94.7
90°-120°	304.8	4.4
90°-150°	364.7	5.3
90°-180°	365.0	5.3
0°-180°	6937.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2139	2139	2139	2139	2139	
5°	2132	2128	2128	2125	2125	203
15°	2086	2076	2062	2048	2041	589
25°	1971	1953	1918	1883	1869	908
35°	1782	1757	1708	1656	1631	1115
45°	1533	1505	1449	1390	1365	1181
55°	1243	1215	1159	1103	1075	1111
65°	938	903	840	795	763	931
75°	655	588	522	483	455	690
85°	315	273	231	210	189	298
90°	189	172	147	133	112	108
95°	150	140	126	112	98	118
105°	112	105	94	84	77	120
115°	77	70	70	60	60	77
125°	49	42	46	38	42	43
135°	28	24	24	24	28	22
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°	2139.0	2139.0	2139.0	2139.0	2139.0
2.5°	2139.0	2135.5	2135.5	2135.5	2135.5
5°	2132.0	2128.5	2128.5	2125.0	2125.0
7.5°	2128.5	2121.5	2118.0	2114.5	2114.5
10°	2118.0	2111.0	2104.0	2097.0	2097.0
12.5°	2104.0	2097.0	2086.5	2072.4	2072.4
15°	2086.5	2075.9	2061.9	2047.9	2040.9
17.5°	2065.4	2054.9	2033.9	2012.9	2005.9
20°	2037.4	2023.4	2002.4	1974.4	1967.4
22.5°	2005.9	1991.9	1960.4	1932.4	1918.4
25°	1970.9	1953.4	1918.4	1883.4	1869.4
27.5°	1928.9	1911.4	1872.9	1830.9	1813.4
30°	1883.4	1862.4	1820.4	1774.9	1753.9
32.5°	1834.4	1809.9	1764.4	1715.4	1694.4
35°	1781.9	1757.4	1708.4	1655.9	1631.4
37.5°	1725.9	1701.4	1648.9	1592.8	1568.3
40°	1662.9	1638.4	1582.3	1526.3	1498.3
42.5°	1596.3	1575.3	1519.3	1459.8	1431.8
45°	1533.3	1505.3	1449.3	1389.8	1365.3
47.5°	1459.8	1438.8	1379.3	1319.8	1291.8
50°	1389.8	1365.3	1309.3	1249.8	1218.3
52.5°	1316.3	1295.3	1235.8	1176.3	1148.2
55°	1242.8	1214.8	1158.8	1102.7	1074.7
57.5°	1165.8	1141.2	1085.2	1032.7	997.7
60°	1088.7	1064.2	1004.7	955.7	917.2
62.5°	1015.2	987.2	924.2	871.7	840.2
65°	938.2	903.2	840.2	794.7	763.2
67.5°	864.7	822.7	759.7	717.7	686.1
70°	794.7	745.7	682.6	640.6	609.1
72.5°	724.7	665.1	598.6	560.1	532.1
75°	654.6	588.1	521.6	483.1	455.1
77.5°	584.6	507.6	441.1	409.6	381.6
80°	500.6	427.1	364.1	336.1	308.1
82.5°	406.1	346.6	294.1	266.1	245.1
85°	315.1	273.1	231.0	210.0	189.0
87.5°	245.1	213.5	182.0	164.5	147.0
90°	189.0	171.5	147.0	133.0	112.0
92.5°	164.5	150.5	133.0	119.0	101.5
95°	150.5	140.0	126.0	112.0	98.0
97.5°	136.5	129.5	115.5	105.0	91.0
100°	129.5	119.0	108.5	98.0	87.5
102.5°	122.5	112.0	101.5	91.0	84.0
105°	112.0	105.0	94.5	84.0	77.0
107.5°	105.0	94.5	87.5	77.0	73.5
110°	94.5	87.5	80.5	73.5	70.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	84.0	80.5	73.5	66.5	63.0
115°	77.0	70.0	70.0	59.5	59.5
117.5°	70.0	63.0	63.0	56.0	56.0
120°	59.5	56.0	56.0	49.0	49.0
122.5°	52.5	49.0	49.0	45.5	45.5
125°	49.0	42.0	45.5	38.5	42.0
127.5°	42.0	38.5	38.5	35.0	38.5
130°	35.0	31.5	31.5	31.5	35.0
132.5°	31.5	28.0	28.0	28.0	31.5
135°	28.0	24.5	24.5	24.5	28.0
137.5°	24.5	21.0	17.5	21.0	24.5
140°	21.0	17.5	14.0	17.5	21.0
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)