

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: P384322

Luminaire Tested: **22ID-75-L830-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384322
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-75-L830-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

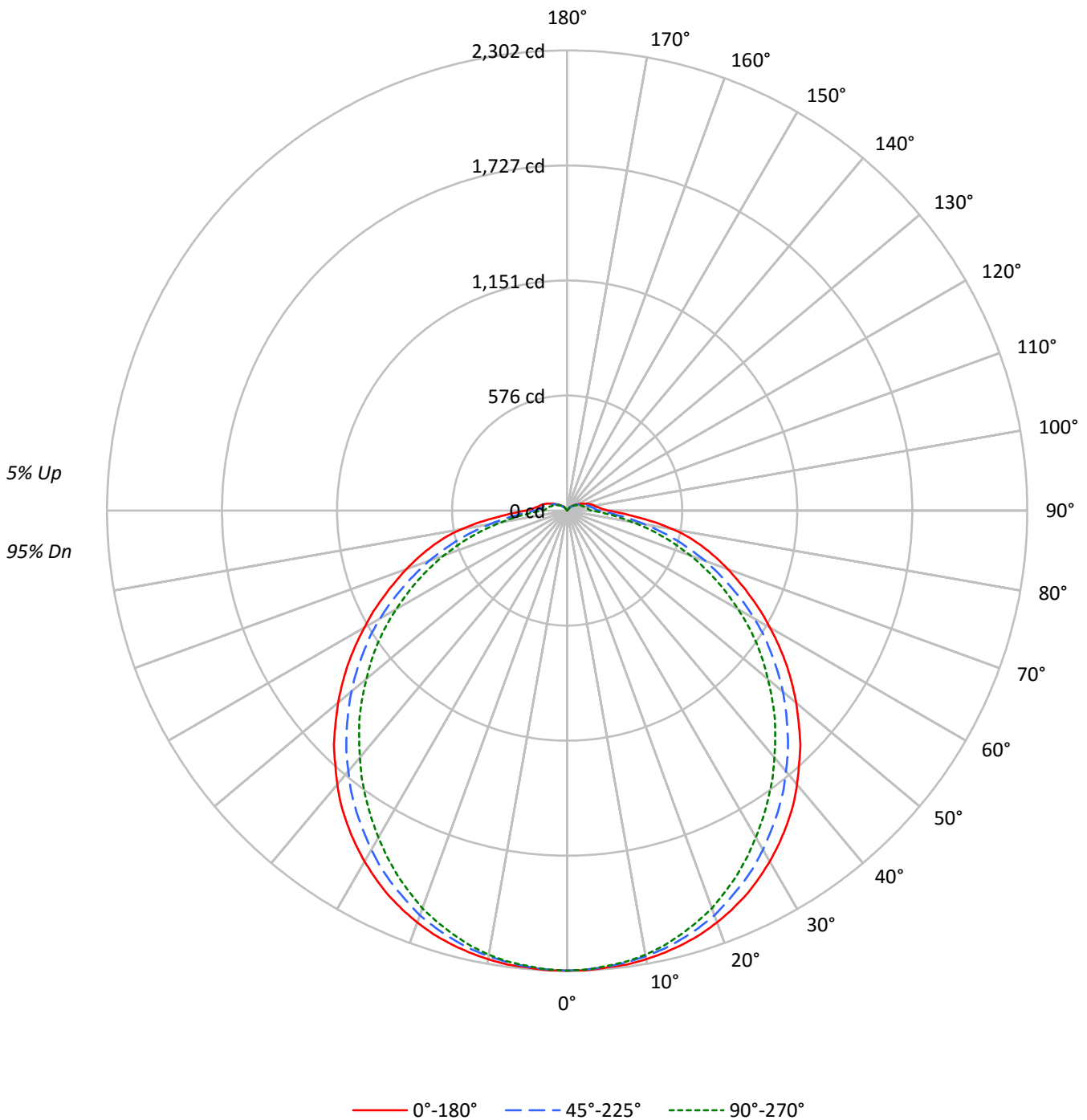
Lumens per Lamp: N/A
Luminaire Lumens: 7465.3 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 65.8
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°	6194	6194	6194
5°	6152	6124	6132
10°	6137	6060	6077
15°	6118	5992	5985
20°	6094	5917	5884
25°	6062	5810	5749
30°	6008	5699	5595
35°	5952	5579	5449
40°	5875	5443	5294
45°	5796	5309	5161
50°	5695	5172	4992
55°	5607	5007	4849
60°	5510	4833	4642
65°	5454	4595	4436
70°	5474	4366	4197
75°	5586	4053	3884
80°	5669	3639	3488
85°	5361	3270	3216



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.8	2.9
10°-20°	626.4	8.4
20°-30°	951.4	12.7
30°-40°	1149.2	15.4
40°-50°	1202.8	16.1
50°-60°	1116.1	15.0
60°-70°	904.1	12.1
70°-80°	610.1	8.2
80°-90°	294.7	3.9
90°-100°	148.3	2.0
100°-110°	107.8	1.4
110°-120°	72.0	1.0
120°-130°	41.7	0.6
130°-140°	21.0	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°	1795.7	24.1
0°-40°	2944.9	39.4
0°-60°	5263.9	70.5
0°-90°	7072.8	94.7
90°-120°	328.1	4.4
90°-150°	392.5	5.3
90°-180°	392.0	5.3
0°-180°	7465.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2302	2302	2302	2302	2302	
5°	2294	2290	2290	2287	2287	219
15°	2245	2234	2219	2204	2196	634
25°	2121	2102	2064	2027	2012	977
35°	1917	1891	1838	1782	1756	1200
45°	1650	1620	1560	1496	1469	1271
55°	1337	1307	1247	1187	1156	1195
65°	1010	972	904	855	821	1002
75°	704	633	561	520	490	742
85°	339	294	249	226	203	320
90°	203	185	158	143	120	116
95°	162	151	136	120	106	127
105°	120	113	102	90	83	129
115°	83	75	75	64	64	82
125°	53	45	49	41	45	46
135°	30	26	26	26	30	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°	2301.7	2301.7	2301.7	2301.7	2301.7
2.5°	2301.7	2297.9	2297.9	2297.9	2297.9
5°	2294.2	2290.4	2290.4	2286.6	2286.6
7.5°	2290.4	2282.9	2279.1	2275.3	2275.3
10°	2279.1	2271.6	2264.0	2256.5	2256.5
12.5°	2264.0	2256.5	2245.2	2230.1	2230.1
15°	2245.2	2233.9	2218.8	2203.7	2196.2
17.5°	2222.6	2211.3	2188.7	2166.1	2158.5
20°	2192.4	2177.4	2154.8	2124.6	2117.1
22.5°	2158.5	2143.5	2109.6	2079.4	2064.4
25°	2120.9	2102.0	2064.4	2026.7	2011.6
27.5°	2075.7	2056.8	2015.4	1970.2	1951.4
30°	2026.7	2004.1	1958.9	1909.9	1887.3
32.5°	1974.0	1947.6	1898.6	1845.9	1823.3
35°	1917.4	1891.1	1838.3	1781.8	1755.5
37.5°	1857.2	1830.8	1774.3	1714.0	1687.7
40°	1789.4	1763.0	1702.7	1642.5	1612.3
42.5°	1717.8	1695.2	1634.9	1570.9	1540.7
45°	1650.0	1619.8	1559.6	1495.5	1469.2
47.5°	1570.9	1548.3	1484.2	1420.2	1390.1
50°	1495.5	1469.2	1408.9	1344.9	1310.9
52.5°	1416.4	1393.8	1329.8	1265.7	1235.6
55°	1337.3	1307.2	1246.9	1186.6	1156.5
57.5°	1254.4	1228.1	1167.8	1111.3	1073.6
60°	1171.6	1145.2	1081.2	1028.4	987.0
62.5°	1092.5	1062.3	994.5	938.0	904.1
65°	1009.6	971.9	904.1	855.1	821.2
67.5°	930.5	885.3	817.5	772.3	738.3
70°	855.1	802.4	734.6	689.4	655.5
72.5°	779.8	715.7	644.2	602.7	572.6
75°	704.4	632.9	561.3	519.9	489.7
77.5°	629.1	546.2	474.7	440.7	410.6
80°	538.7	459.6	391.8	361.6	331.5
82.5°	437.0	372.9	316.4	286.3	263.7
85°	339.0	293.8	248.6	226.0	203.4
87.5°	263.7	229.8	195.9	177.1	158.2
90°	203.4	184.6	158.2	143.1	120.5
92.5°	177.1	162.0	143.1	128.1	109.2
95°	162.0	150.7	135.6	120.5	105.5
97.5°	146.9	139.4	124.3	113.0	97.9
100°	139.4	128.1	116.8	105.5	94.2
102.5°	131.8	120.5	109.2	97.9	90.4
105°	120.5	113.0	101.7	90.4	82.9
107.5°	113.0	101.7	94.2	82.9	79.1
110°	101.7	94.2	86.6	79.1	75.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	90.4	86.6	79.1	71.6	67.8
115°	82.9	75.3	75.3	64.0	64.0
117.5°	75.3	67.8	67.8	60.3	60.3
120°	64.0	60.3	60.3	52.7	52.7
122.5°	56.5	52.7	52.7	49.0	49.0
125°	52.7	45.2	49.0	41.4	45.2
127.5°	45.2	41.4	41.4	37.7	41.4
130°	37.7	33.9	33.9	33.9	37.7
132.5°	33.9	30.1	30.1	30.1	33.9
135°	30.1	26.4	26.4	26.4	30.1
137.5°	26.4	22.6	18.8	22.6	26.4
140°	22.6	18.8	15.1	18.8	22.6
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)