

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: P384154

Luminaire Tested: **22ID-75-L830-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384154
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-75-L830-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

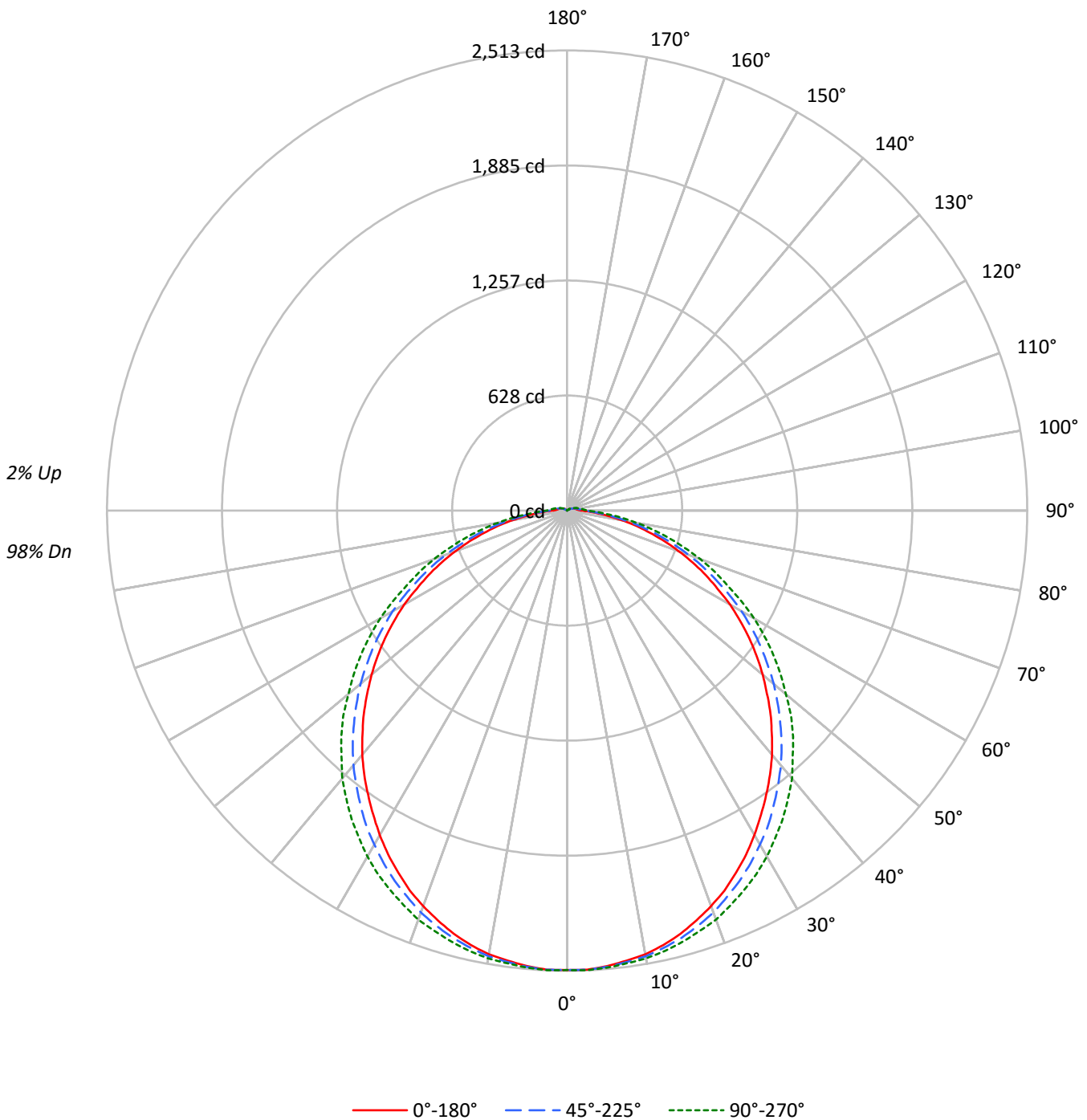
Lumens per Lamp: N/A
Luminaire Lumens: 7431.4 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 65.8
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	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°	6752	6752	6752
5°	6723	6723	6743
10°	6673	6684	6735
15°	6591	6623	6716
20°	6483	6549	6706
25°	6354	6445	6661
30°	6208	6329	6619
35°	6049	6205	6554
40°	5908	6079	6483
45°	5740	5917	6373
50°	5560	5763	6221
55°	5372	5576	6090
60°	5163	5373	5919
65°	4889	5069	5638
70°	4575	4771	5452
75°	4204	4367	5153
80°	3778	3895	4817
85°	3389	3476	4570



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.6	3.2
10°-20°	681.2	9.2
20°-30°	1028.5	13.8
30°-40°	1232.3	16.6
40°-50°	1274.0	17.1
50°-60°	1153.7	15.5
60°-70°	892.8	12.0
70°-80°	548.4	7.4
80°-90°	217.9	2.9
90°-100°	79.5	1.1
100°-110°	48.8	0.7
110°-120°	25.1	0.3
120°-130°	10.7	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°	1947.3	26.2
0°-40°	3179.6	42.8
0°-60°	5607.4	75.5
0°-90°	7266.5	97.8
90°-120°	153.4	2.1
90°-150°	164.9	2.2
90°-180°	165.0	2.2
0°-180°	7431.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2509	2509	2509	2509	2509	
5°	2498	2498	2502	2502	2505	237
15°	2392	2396	2415	2430	2438	674
25°	2181	2196	2230	2268	2287	1005
35°	1895	1918	1967	2019	2053	1186
45°	1571	1590	1646	1714	1744	1211
55°	1213	1240	1288	1345	1375	1084
65°	836	855	897	942	964	827
75°	467	490	512	546	573	498
85°	162	173	188	207	218	161
90°	75	87	94	106	113	44
95°	56	64	72	79	87	45
105°	41	41	45	49	53	44
115°	26	23	23	26	30	27
125°	15	11	8	11	15	14
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°	2509.2	2509.2	2509.2	2509.2	2509.2
2.5°	2509.2	2505.4	2509.2	2509.2	2513.0
5°	2497.9	2497.9	2501.6	2501.6	2505.4
7.5°	2479.0	2479.0	2486.6	2490.3	2494.1
10°	2460.2	2460.2	2471.5	2475.3	2482.8
12.5°	2430.1	2433.8	2445.1	2456.4	2464.0
15°	2392.4	2396.2	2415.0	2430.1	2437.6
17.5°	2347.2	2354.7	2377.3	2399.9	2407.5
20°	2298.2	2309.5	2335.9	2362.2	2377.3
22.5°	2245.5	2253.0	2283.1	2317.0	2332.1
25°	2181.4	2196.5	2230.4	2268.1	2286.9
27.5°	2117.4	2132.4	2170.1	2215.3	2237.9
30°	2045.8	2060.8	2106.1	2155.0	2181.4
32.5°	1970.4	1989.3	2042.0	2091.0	2117.4
35°	1895.1	1917.7	1966.7	2019.4	2053.3
37.5°	1819.7	1838.6	1891.3	1947.8	1981.7
40°	1740.6	1759.4	1816.0	1872.5	1910.1
42.5°	1654.0	1676.6	1733.1	1793.3	1823.5
45°	1571.1	1589.9	1646.4	1714.2	1744.4
47.5°	1480.6	1507.0	1559.8	1623.8	1657.7
50°	1394.0	1416.6	1473.1	1533.4	1559.8
52.5°	1303.6	1326.2	1378.9	1439.2	1469.3
55°	1213.1	1239.5	1288.5	1345.0	1375.2
57.5°	1119.0	1145.3	1194.3	1243.3	1277.2
60°	1028.5	1054.9	1100.1	1149.1	1179.2
62.5°	926.8	949.4	998.4	1051.1	1073.7
65°	836.4	855.2	896.7	941.9	964.5
67.5°	742.2	764.8	802.5	843.9	870.3
70°	648.0	674.4	704.5	742.2	772.3
72.5°	557.6	580.2	606.6	644.2	670.6
75°	467.2	489.8	512.4	546.3	572.7
77.5°	388.1	399.4	422.0	452.1	478.5
80°	301.4	316.5	335.3	365.5	384.3
82.5°	226.1	241.1	256.2	278.8	297.6
85°	162.0	173.3	188.4	207.2	218.5
87.5°	109.3	120.6	131.9	146.9	158.2
90°	75.4	86.7	94.2	105.5	113.0
92.5°	64.0	71.6	79.1	86.7	94.2
95°	56.5	64.0	71.6	79.1	86.7
97.5°	52.7	56.5	64.0	71.6	75.4
100°	49.0	52.7	56.5	64.0	67.8
102.5°	45.2	45.2	52.7	56.5	60.3
105°	41.4	41.4	45.2	49.0	52.7
107.5°	37.7	37.7	41.4	41.4	49.0
110°	33.9	30.1	33.9	33.9	41.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	30.1	26.4	30.1	30.1	33.9
115°	26.4	22.6	22.6	26.4	30.1
117.5°	22.6	18.8	18.8	18.8	26.4
120°	22.6	18.8	15.1	15.1	22.6
122.5°	18.8	15.1	11.3	15.1	18.8
125°	15.1	11.3	7.5	11.3	15.1
127.5°	11.3	11.3	3.8	7.5	11.3
130°	11.3	7.5	3.8	7.5	7.5
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)