

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: P384146

Luminaire Tested: **22ID-65-L830-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384146
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-L830-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

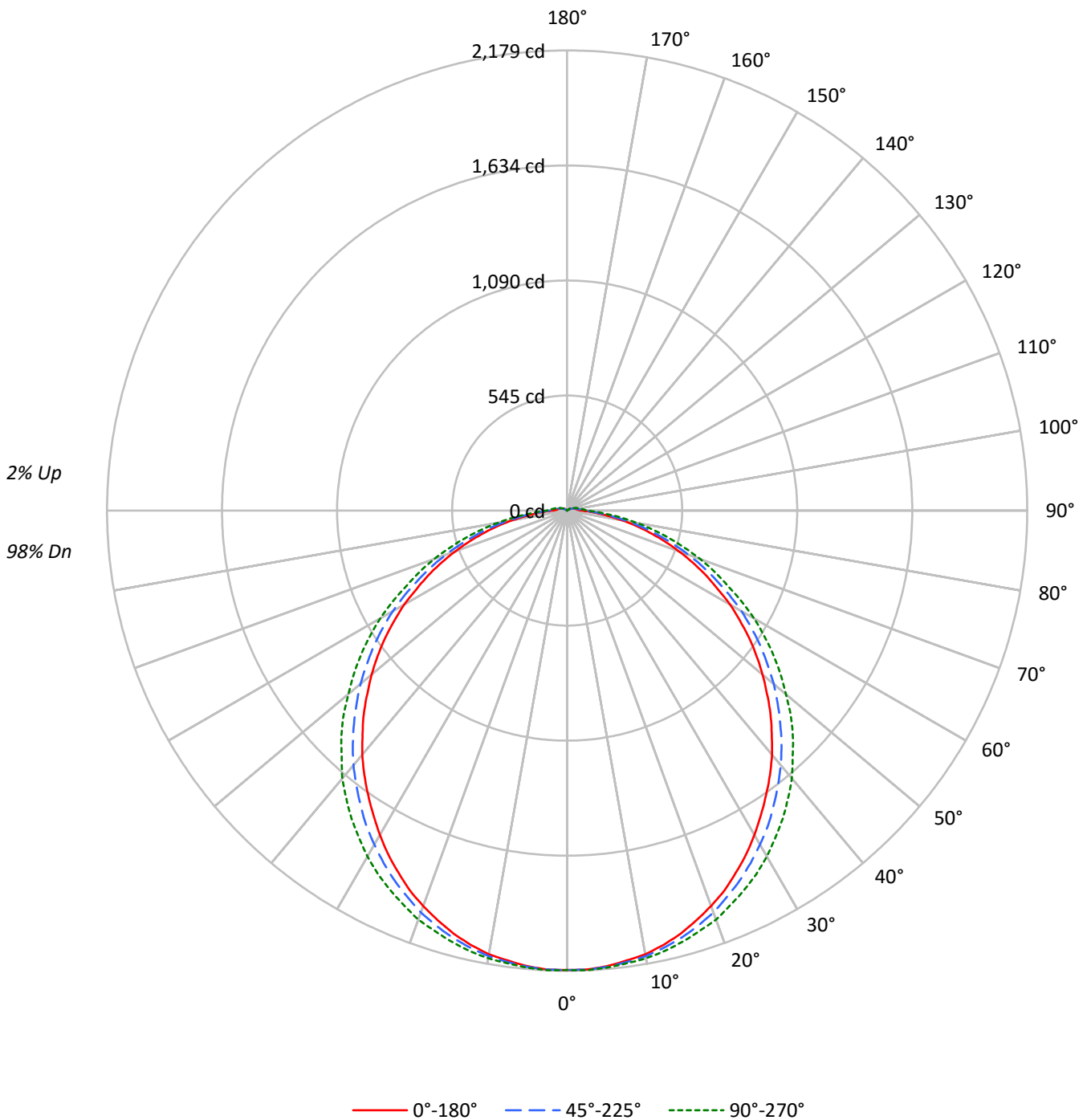
Lumens per Lamp: N/A
Luminaire Lumens: 6442.9 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 56
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



TEST NUMBER: P384146
CATALOG NUMBER: 22ID-65-L830-CFD1

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°	5854	5854	5854
5°	5829	5829	5846
10°	5786	5795	5839
15°	5715	5742	5823
20°	5621	5678	5814
25°	5508	5588	5775
30°	5382	5487	5738
35°	5244	5380	5682
40°	5122	5270	5621
45°	4976	5130	5525
50°	4820	4996	5394
55°	4658	4834	5279
60°	4476	4658	5132
65°	4238	4395	4888
70°	3966	4136	4727
75°	3644	3786	4468
80°	3276	3377	4177
85°	2939	3013	3964



TEST NUMBER: P384146

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.0	3.2
10°-20°	590.6	9.2
20°-30°	891.7	13.8
30°-40°	1068.4	16.6
40°-50°	1104.6	17.1
50°-60°	1000.3	15.5
60°-70°	774.0	12.0
70°-80°	475.5	7.4
80°-90°	188.9	2.9
90°-100°	68.9	1.1
100°-110°	42.4	0.7
110°-120°	21.8	0.3
120°-130°	9.3	0.1
130°-140°	0.6	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°	1688.3	26.2
0°-40°	2756.7	42.8
0°-60°	4861.5	75.5
0°-90°	6299.9	97.8
90°-120°	133.0	2.1
90°-150°	143.0	2.2
90°-180°	143.0	2.2
0°-180°	6442.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2175	2175	2175	2175	2175	
5°	2166	2166	2169	2169	2172	206
15°	2074	2077	2094	2107	2113	585
25°	1891	1904	1934	1966	1983	871
35°	1643	1663	1705	1751	1780	1029
45°	1362	1378	1427	1486	1512	1050
55°	1052	1075	1117	1166	1192	940
65°	725	742	777	817	836	717
75°	405	425	444	474	496	432
85°	140	150	163	180	190	140
90°	65	75	82	92	98	38
95°	49	56	62	69	75	39
105°	36	36	39	42	46	38
115°	23	20	20	23	26	23
125°	13	10	6	10	13	12
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



TEST NUMBER: P384146

CATALOG NUMBER: 22ID-65-L830-CFD1

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2175.4	2175.4	2175.4	2175.4	2175.4
2.5°	2175.4	2172.2	2175.4	2175.4	2178.7
5°	2165.6	2165.6	2168.9	2168.9	2172.2
7.5°	2149.3	2149.3	2155.8	2159.1	2162.4
10°	2133.0	2133.0	2142.8	2146.0	2152.6
12.5°	2106.8	2110.1	2119.9	2129.7	2136.2
15°	2074.2	2077.4	2093.8	2106.8	2113.4
17.5°	2035.0	2041.5	2061.1	2080.7	2087.2
20°	1992.5	2002.3	2025.2	2048.0	2061.1
22.5°	1946.8	1953.3	1979.4	2008.8	2021.9
25°	1891.2	1904.3	1933.7	1966.4	1982.7
27.5°	1835.7	1848.8	1881.4	1920.6	1940.2
30°	1773.7	1786.7	1825.9	1868.4	1891.2
32.5°	1708.3	1724.7	1770.4	1812.8	1835.7
35°	1643.0	1662.6	1705.1	1750.8	1780.2
37.5°	1577.7	1594.0	1639.7	1688.7	1718.1
40°	1509.1	1525.4	1574.4	1623.4	1656.1
42.5°	1433.9	1453.5	1502.5	1554.8	1580.9
45°	1362.1	1378.4	1427.4	1486.2	1512.3
47.5°	1283.7	1306.6	1352.3	1407.8	1437.2
50°	1208.6	1228.2	1277.2	1329.4	1352.3
52.5°	1130.2	1149.8	1195.5	1247.8	1273.9
55°	1051.8	1074.6	1117.1	1166.1	1192.2
57.5°	970.1	993.0	1035.4	1077.9	1107.3
60°	891.7	914.6	953.8	996.3	1022.4
62.5°	803.5	823.1	865.6	911.3	930.9
65°	725.1	741.5	777.4	816.6	836.2
67.5°	643.5	663.1	695.7	731.7	754.5
70°	561.8	584.7	610.8	643.5	669.6
72.5°	483.4	503.0	525.9	558.6	581.4
75°	405.0	424.6	444.2	473.6	496.5
77.5°	336.4	346.2	365.8	392.0	414.8
80°	261.3	274.4	290.7	316.8	333.2
82.5°	196.0	209.0	222.1	241.7	258.0
85°	140.5	150.3	163.3	179.7	189.5
87.5°	94.7	104.5	114.3	127.4	137.2
90°	65.3	75.1	81.7	91.5	98.0
92.5°	55.5	62.1	68.6	75.1	81.7
95°	49.0	55.5	62.1	68.6	75.1
97.5°	45.7	49.0	55.5	62.1	65.3
100°	42.5	45.7	49.0	55.5	58.8
102.5°	39.2	39.2	45.7	49.0	52.3
105°	35.9	35.9	39.2	42.5	45.7
107.5°	32.7	32.7	35.9	35.9	42.5
110°	29.4	26.1	29.4	29.4	35.9



TEST NUMBER: P384146

CATALOG NUMBER: 22ID-65-L830-CFD1

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	26.1	22.9	26.1	26.1	29.4
115°	22.9	19.6	19.6	22.9	26.1
117.5°	19.6	16.3	16.3	16.3	22.9
120°	19.6	16.3	13.1	13.1	19.6
122.5°	16.3	13.1	9.8	13.1	16.3
125°	13.1	9.8	6.5	9.8	13.1
127.5°	9.8	9.8	3.3	6.5	9.8
130°	9.8	6.5	3.3	6.5	6.5
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)