

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: P384258

Luminaire Tested: **14ID-65-L830-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384258
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: 14ID-65-L830-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

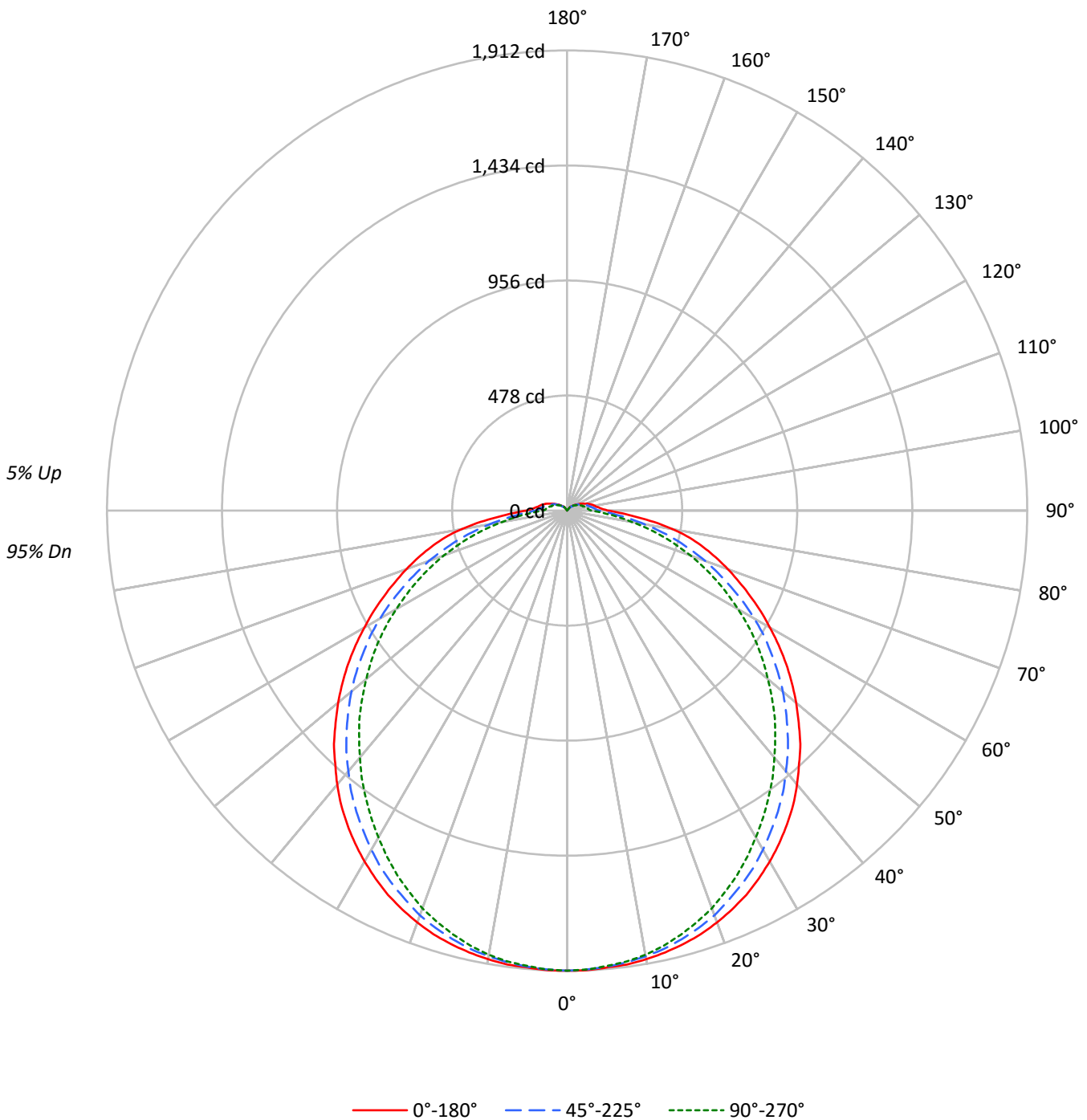
Lumens per Lamp: N/A
Luminaire Lumens: 6200.7 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 58.4
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: P384258
CATALOG NUMBER: 14ID-65-L830-CFD2

Luminous Intensity Polar Plot





TEST NUMBER: P384258

CATALOG NUMBER: 14ID-65-L830-CFD2

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°	5145	5145	5145
5°	5129	5073	5057
10°	5135	5008	4975
15°	5138	4939	4865
20°	5137	4865	4748
25°	5131	4764	4603
30°	5108	4660	4443
35°	5084	4547	4289
40°	5045	4422	4127
45°	5007	4297	3981
50°	4954	4167	3803
55°	4919	4014	3640
60°	4885	3851	3424
65°	4902	3633	3200
70°	5015	3417	2938
75°	5265	3128	2608
80°	5608	2747	2193
85°	5890	2376	1796



TEST NUMBER: P384258

CATALOG NUMBER: 14ID-65-L830-CFD2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.9	2.9
10°-20°	520.3	8.4
20°-30°	790.3	12.7
30°-40°	954.6	15.4
40°-50°	999.1	16.1
50°-60°	927.0	15.0
60°-70°	750.9	12.1
70°-80°	506.7	8.2
80°-90°	244.8	3.9
90°-100°	123.2	2.0
100°-110°	89.5	1.4
110°-120°	59.8	1.0
120°-130°	34.7	0.6
130°-140°	17.5	0.3
140°-150°	1.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1491.5	24.1
0°-40°	2446.1	39.4
0°-60°	4372.2	70.5
0°-90°	5874.7	94.7
90°-120°	272.5	4.4
90°-150°	326.0	5.3
90°-180°	326.0	5.3
0°-180°	6200.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1912	1912	1912	1912	1912	
5°	1906	1902	1902	1899	1899	182
15°	1865	1856	1843	1830	1824	527
25°	1762	1746	1715	1683	1671	812
35°	1593	1571	1527	1480	1458	996
45°	1370	1346	1295	1242	1220	1056
55°	1111	1086	1036	986	961	993
65°	839	807	751	710	682	832
75°	585	526	466	432	407	616
85°	282	244	206	188	169	266
90°	169	153	131	119	100	96
95°	134	125	113	100	88	106
105°	100	94	84	75	69	107
115°	69	63	63	53	53	69
125°	44	38	41	34	38	38
135°	25	22	22	22	25	20
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



TEST NUMBER: P384258

CATALOG NUMBER: 14ID-65-L830-CFD2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1911.8	1911.8	1911.8	1911.8	1911.8
2.5°	1911.8	1908.7	1908.7	1908.7	1908.7
5°	1905.5	1902.4	1902.4	1899.3	1899.3
7.5°	1902.4	1896.1	1893.0	1889.9	1889.9
10°	1893.0	1886.8	1880.5	1874.2	1874.2
12.5°	1880.5	1874.2	1864.9	1852.3	1852.3
15°	1864.9	1855.5	1843.0	1830.4	1824.2
17.5°	1846.1	1836.7	1817.9	1799.1	1792.9
20°	1821.1	1808.5	1789.8	1764.7	1758.5
22.5°	1792.9	1780.4	1752.2	1727.2	1714.7
25°	1761.6	1746.0	1714.7	1683.4	1670.9
27.5°	1724.1	1708.4	1674.0	1636.4	1620.8
30°	1683.4	1664.6	1627.1	1586.4	1567.6
32.5°	1639.6	1617.7	1577.0	1533.2	1514.4
35°	1592.6	1570.7	1526.9	1480.0	1458.1
37.5°	1542.6	1520.7	1473.7	1423.7	1401.8
40°	1486.3	1464.4	1414.3	1364.2	1339.2
42.5°	1426.8	1408.0	1358.0	1304.8	1279.7
45°	1370.5	1345.5	1295.4	1242.2	1220.3
47.5°	1304.8	1286.0	1232.8	1179.6	1154.6
50°	1242.2	1220.3	1170.2	1117.0	1088.9
52.5°	1176.5	1157.7	1104.5	1051.3	1026.3
55°	1110.8	1085.7	1035.7	985.6	960.6
57.5°	1041.9	1020.0	970.0	923.0	891.8
60°	973.1	951.2	898.0	854.2	819.8
62.5°	907.4	882.4	826.0	779.1	750.9
65°	838.6	807.3	750.9	710.3	682.1
67.5°	772.9	735.3	679.0	641.4	613.3
70°	710.3	666.5	610.1	572.6	544.4
72.5°	647.7	594.5	535.1	500.6	475.6
75°	585.1	525.7	466.2	431.8	406.8
77.5°	522.5	453.7	394.2	366.1	341.1
80°	447.4	381.7	325.4	300.4	275.3
82.5°	363.0	309.8	262.8	237.8	219.0
85°	281.6	244.1	206.5	187.7	169.0
87.5°	219.0	190.9	162.7	147.1	131.4
90°	169.0	153.3	131.4	118.9	100.1
92.5°	147.1	134.5	118.9	106.4	90.7
95°	134.5	125.2	112.6	100.1	87.6
97.5°	122.0	115.8	103.3	93.9	81.4
100°	115.8	106.4	97.0	87.6	78.2
102.5°	109.5	100.1	90.7	81.4	75.1
105°	100.1	93.9	84.5	75.1	68.8
107.5°	93.9	84.5	78.2	68.8	65.7
110°	84.5	78.2	72.0	65.7	62.6



TEST NUMBER: P384258

CATALOG NUMBER: 14ID-65-L830-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	75.1	72.0	65.7	59.5	56.3
115°	68.8	62.6	62.6	53.2	53.2
117.5°	62.6	56.3	56.3	50.1	50.1
120°	53.2	50.1	50.1	43.8	43.8
122.5°	46.9	43.8	43.8	40.7	40.7
125°	43.8	37.5	40.7	34.4	37.5
127.5°	37.5	34.4	34.4	31.3	34.4
130°	31.3	28.2	28.2	28.2	31.3
132.5°	28.2	25.0	25.0	25.0	28.2
135°	25.0	21.9	21.9	21.9	25.0
137.5°	21.9	18.8	15.6	18.8	21.9
140°	18.8	15.6	12.5	15.6	18.8
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)