

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: P384654

Luminaire Tested: **22ID-70-L830-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-70-L830-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

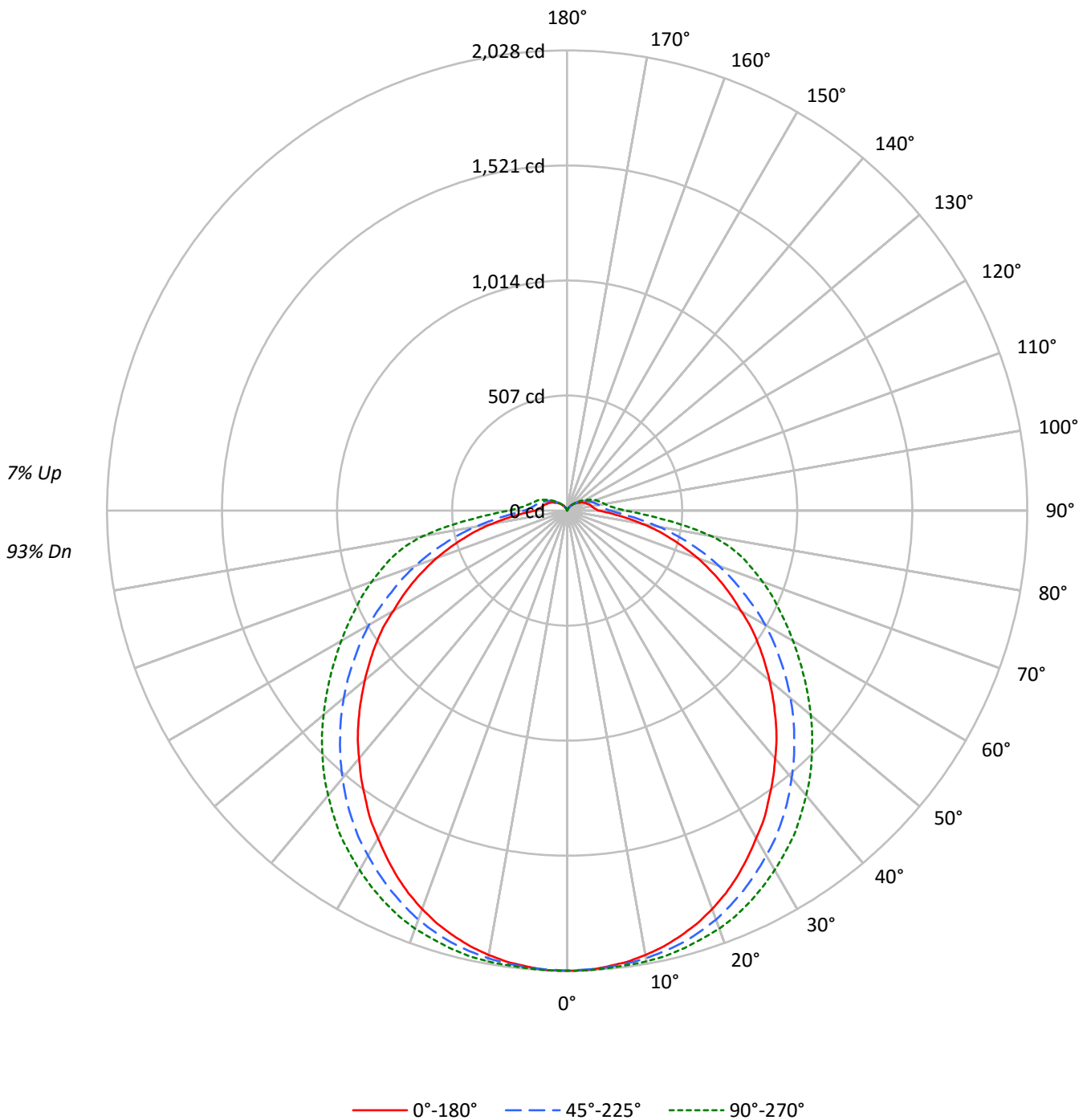
Lumens per Lamp: N/A
Luminaire Lumens: 7095.9 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 61.1
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5457	5457	5457
5°	5390	5375	5409
10°	5317	5308	5393
15°	5228	5243	5380
20°	5118	5161	5370
25°	4984	5057	5342
30°	4831	4949	5302
35°	4682	4841	5270
40°	4534	4709	5209
45°	4394	4578	5159
50°	4242	4442	5106
55°	4100	4295	5072
60°	3914	4156	5088
65°	3767	3954	5171
70°	3585	3767	5368
75°	3337	3502	5670
80°	3049	3177	5841
85°	2745	2785	5263



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.3	2.7
10°-20°	555.6	7.8
20°-30°	848.9	12.0
30°-40°	1033.3	14.6
40°-50°	1092.2	15.4
50°-60°	1030.9	14.5
60°-70°	867.4	12.2
70°-80°	625.3	8.8
80°-90°	329.8	4.6
90°-100°	176.5	2.5
100°-110°	134.1	1.9
110°-120°	97.2	1.4
120°-130°	61.1	0.9
130°-140°	33.0	0.5
140°-150°	14.4	0.2
150°-160°	3.9	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1596.8	22.5
0°-40°	2630.1	37.1
0°-60°	4753.2	67.0
0°-90°	6575.6	92.7
90°-120°	407.8	5.7
90°-150°	516.3	7.3
90°-180°	520.0	7.3
0°-180°	7095.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2028	2028	2028	2028	2028	
5°	2017	2017	2021	2021	2024	192
15°	1939	1946	1971	1985	1996	547
25°	1776	1798	1844	1886	1904	818
35°	1550	1585	1656	1720	1745	971
45°	1299	1338	1416	1493	1525	1002
55°	1030	1076	1147	1232	1274	920
65°	750	793	856	963	1030	742
75°	471	510	559	669	800	500
85°	216	244	272	340	414	202
90°	138	163	188	223	255	79
95°	120	138	159	180	195	96
105°	103	113	127	142	149	107
115°	81	88	99	106	113	82
125°	60	60	71	71	74	54
135°	42	39	42	42	46	32
145°	25	21	21	21	25	16
155°	11	11	4	7	11	5
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°	2027.8	2027.8	2027.8	2027.8	2027.8
2.5°	2027.8	2024.2	2024.2	2024.2	2027.8
5°	2017.1	2017.1	2020.7	2020.7	2024.2
7.5°	2006.5	2006.5	2013.6	2017.1	2020.7
10°	1988.8	1992.4	2003.0	2010.1	2017.1
12.5°	1967.6	1971.1	1988.8	2003.0	2010.1
15°	1939.3	1946.4	1971.1	1985.3	1995.9
17.5°	1907.4	1918.1	1946.4	1967.6	1978.2
20°	1868.5	1882.7	1918.1	1946.4	1960.5
22.5°	1826.0	1840.2	1882.7	1918.1	1935.7
25°	1776.5	1797.7	1843.7	1886.2	1903.9
27.5°	1723.4	1748.2	1801.3	1850.8	1868.5
30°	1666.8	1695.1	1755.3	1808.3	1829.6
32.5°	1613.7	1642.0	1709.3	1765.9	1787.1
35°	1550.0	1585.4	1656.2	1719.9	1744.6
37.5°	1489.9	1525.2	1599.6	1666.8	1691.6
40°	1426.2	1461.5	1539.4	1613.7	1638.5
42.5°	1366.0	1401.4	1479.2	1557.1	1585.4
45°	1298.8	1337.7	1415.5	1493.4	1525.2
47.5°	1231.5	1270.4	1351.8	1433.2	1465.1
50°	1164.3	1206.7	1284.6	1366.0	1401.4
52.5°	1097.0	1139.5	1217.4	1302.3	1337.7
55°	1029.8	1075.8	1146.6	1231.5	1274.0
57.5°	962.6	1008.6	1079.3	1167.8	1210.3
60°	884.7	937.8	1008.6	1100.6	1150.1
62.5°	817.5	863.5	934.3	1029.8	1090.0
65°	750.2	792.7	856.4	962.6	1029.8
67.5°	679.5	725.5	785.6	884.7	976.7
70°	612.2	651.1	711.3	813.9	916.6
72.5°	541.4	580.4	637.0	743.2	856.4
75°	470.7	509.6	559.1	668.8	799.8
77.5°	407.0	438.8	484.8	591.0	732.5
80°	336.2	368.0	410.5	506.1	644.1
82.5°	272.5	300.8	336.2	421.1	530.8
85°	215.9	244.2	272.5	339.7	414.0
87.5°	173.4	194.6	222.9	272.5	322.0
90°	138.0	162.8	187.6	222.9	254.8
92.5°	127.4	148.6	169.9	198.2	219.4
95°	120.3	138.0	159.2	180.5	194.6
97.5°	113.2	130.9	148.6	169.9	180.5
100°	109.7	123.9	141.6	159.2	166.3
102.5°	106.2	116.8	134.5	148.6	159.2
105°	102.6	113.2	127.4	141.6	148.6
107.5°	95.5	106.2	120.3	134.5	141.6
110°	92.0	99.1	113.2	123.9	134.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	88.5	95.5	106.2	116.8	123.9
115°	81.4	88.5	99.1	106.2	113.2
117.5°	77.9	81.4	92.0	95.5	102.6
120°	70.8	74.3	84.9	88.5	92.0
122.5°	63.7	67.2	77.9	77.9	84.9
125°	60.2	60.2	70.8	70.8	74.3
127.5°	56.6	56.6	63.7	63.7	67.2
130°	49.5	49.5	56.6	56.6	56.6
132.5°	46.0	42.5	49.5	49.5	53.1
135°	42.5	38.9	42.5	42.5	46.0
137.5°	35.4	35.4	38.9	35.4	38.9
140°	31.8	28.3	31.8	31.8	35.4
142.5°	28.3	24.8	28.3	24.8	28.3
145°	24.8	21.2	21.2	21.2	24.8
147.5°	21.2	17.7	17.7	17.7	21.2
150°	17.7	14.2	14.2	14.2	17.7
152.5°	14.2	10.6	7.1	10.6	14.2
155°	10.6	10.6	3.5	7.1	10.6
157.5°	7.1	7.1	0.0	3.5	7.1
160°	3.5	3.5	0.0	3.5	3.5
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

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