

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: P384646

Luminaire Tested: **22ID-60-L830-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384646
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-60-L830-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

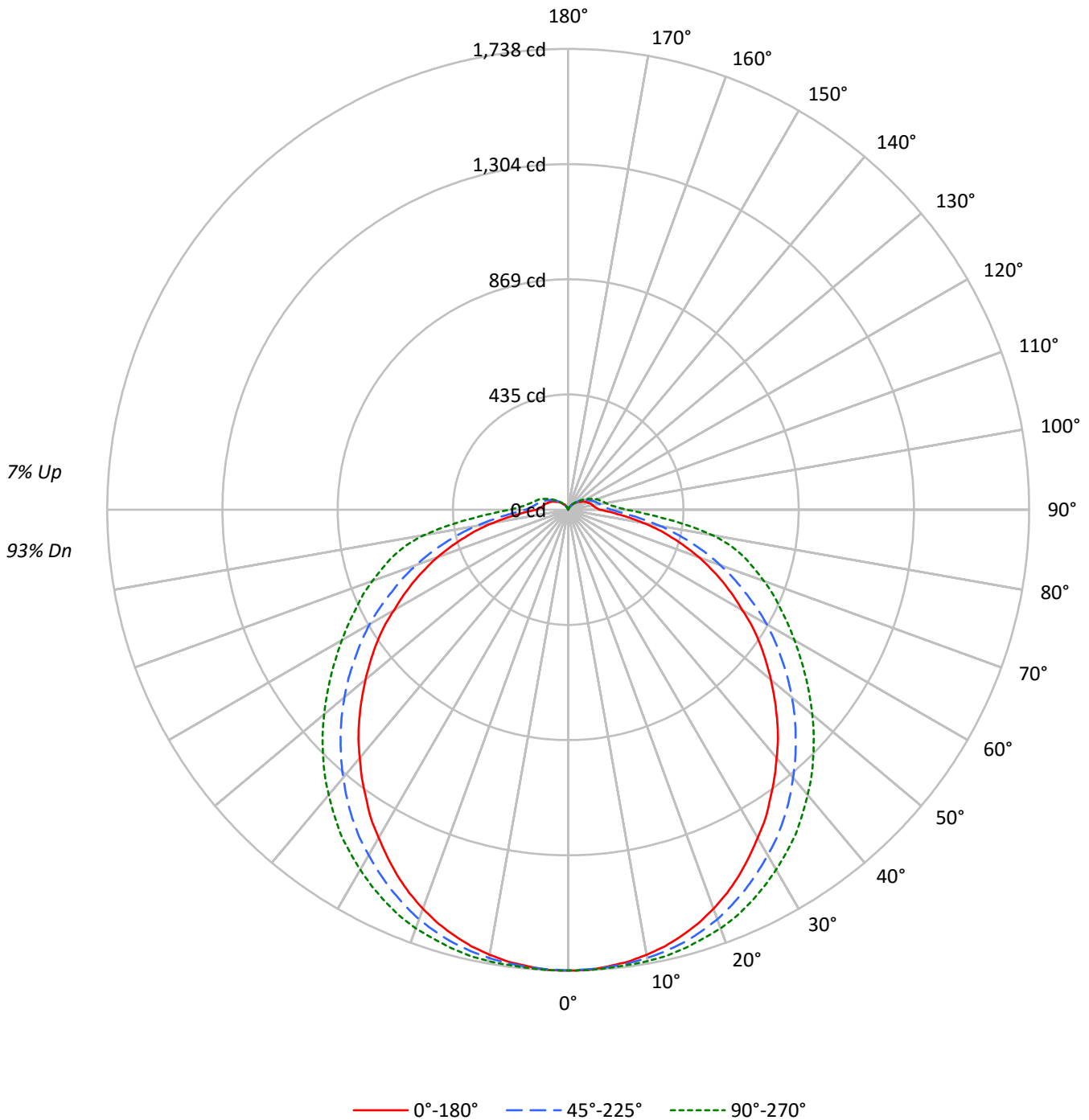
Lumens per Lamp: N/A
Luminaire Lumens: 6081.3 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 50.9
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°	4676	4676	4676
5°	4619	4607	4635
10°	4557	4549	4622
15°	4480	4493	4611
20°	4386	4423	4602
25°	4272	4334	4578
30°	4140	4241	4544
35°	4013	4149	4517
40°	3886	4036	4464
45°	3765	3923	4422
50°	3636	3807	4376
55°	3514	3681	4346
60°	3354	3562	4361
65°	3229	3388	4432
70°	3073	3228	4600
75°	2860	3002	4859
80°	2613	2722	5006
85°	2352	2387	4510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.8	2.7
10°-20°	476.2	7.8
20°-30°	727.5	12.0
30°-40°	885.6	14.6
40°-50°	936.0	15.4
50°-60°	883.5	14.5
60°-70°	743.3	12.2
70°-80°	535.9	8.8
80°-90°	282.6	4.6
90°-100°	151.3	2.5
100°-110°	114.9	1.9
110°-120°	83.3	1.4
120°-130°	52.3	0.9
130°-140°	28.3	0.5
140°-150°	12.3	0.2
150°-160°	3.3	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1368.5	22.5
0°-40°	2254.0	37.1
0°-60°	4073.6	67.0
0°-90°	5635.4	92.7
90°-120°	349.5	5.7
90°-150°	442.5	7.3
90°-180°	446.0	7.3
0°-180°	6081.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1738	1738	1738	1738	1738	
5°	1729	1729	1732	1732	1735	164
15°	1662	1668	1689	1701	1710	469
25°	1522	1541	1580	1616	1632	701
35°	1328	1359	1419	1474	1495	832
45°	1113	1146	1213	1280	1307	859
55°	883	922	983	1055	1092	789
65°	643	679	734	825	883	636
75°	403	437	479	573	685	428
85°	185	209	234	291	355	173
90°	118	140	161	191	218	68
95°	103	118	136	155	167	82
105°	88	97	109	121	127	92
115°	70	76	85	91	97	70
125°	52	52	61	61	64	46
135°	36	33	36	36	39	27
145°	21	18	18	18	21	13
155°	9	9	3	6	9	4
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°	1737.8	1737.8	1737.8	1737.8	1737.8
2.5°	1737.8	1734.8	1734.8	1734.8	1737.8
5°	1728.7	1728.7	1731.8	1731.8	1734.8
7.5°	1719.6	1719.6	1725.7	1728.7	1731.8
10°	1704.5	1707.5	1716.6	1722.7	1728.7
12.5°	1686.3	1689.3	1704.5	1716.6	1722.7
15°	1662.0	1668.1	1689.3	1701.4	1710.5
17.5°	1634.7	1643.8	1668.1	1686.3	1695.4
20°	1601.3	1613.5	1643.8	1668.1	1680.2
22.5°	1564.9	1577.1	1613.5	1643.8	1659.0
25°	1522.5	1540.7	1580.1	1616.5	1631.7
27.5°	1477.0	1498.2	1543.7	1586.2	1601.3
30°	1428.5	1452.7	1504.3	1549.8	1568.0
32.5°	1383.0	1407.2	1464.9	1513.4	1531.6
35°	1328.4	1358.7	1419.4	1474.0	1495.2
37.5°	1276.8	1307.2	1370.8	1428.5	1449.7
40°	1222.2	1252.6	1319.3	1383.0	1404.2
42.5°	1170.7	1201.0	1267.7	1334.5	1358.7
45°	1113.1	1146.4	1213.1	1279.9	1307.2
47.5°	1055.4	1088.8	1158.5	1228.3	1255.6
50°	997.8	1034.2	1100.9	1170.7	1201.0
52.5°	940.2	976.6	1043.3	1116.1	1146.4
55°	882.6	922.0	982.6	1055.4	1091.8
57.5°	824.9	864.4	925.0	1000.8	1037.2
60°	758.2	803.7	864.4	943.2	985.7
62.5°	700.6	740.0	800.7	882.6	934.1
65°	643.0	679.4	733.9	824.9	882.6
67.5°	582.3	621.7	673.3	758.2	837.1
70°	524.7	558.0	609.6	697.6	785.5
72.5°	464.0	497.4	545.9	636.9	733.9
75°	403.4	436.7	479.2	573.2	685.4
77.5°	348.8	376.1	415.5	506.5	627.8
80°	288.1	315.4	351.8	433.7	552.0
82.5°	233.5	257.8	288.1	360.9	454.9
85°	185.0	209.3	233.5	291.2	354.8
87.5°	148.6	166.8	191.1	233.5	276.0
90°	118.3	139.5	160.7	191.1	218.4
92.5°	109.2	127.4	145.6	169.8	188.0
95°	103.1	118.3	136.5	154.7	166.8
97.5°	97.1	112.2	127.4	145.6	154.7
100°	94.0	106.1	121.3	136.5	142.5
102.5°	91.0	100.1	115.2	127.4	136.5
105°	88.0	97.1	109.2	121.3	127.4
107.5°	81.9	91.0	103.1	115.2	121.3
110°	78.9	84.9	97.1	106.1	115.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	75.8	81.9	91.0	100.1	106.1
115°	69.8	75.8	84.9	91.0	97.1
117.5°	66.7	69.8	78.9	81.9	88.0
120°	60.7	63.7	72.8	75.8	78.9
122.5°	54.6	57.6	66.7	66.7	72.8
125°	51.6	51.6	60.7	60.7	63.7
127.5°	48.5	48.5	54.6	54.6	57.6
130°	42.5	42.5	48.5	48.5	48.5
132.5°	39.4	36.4	42.5	42.5	45.5
135°	36.4	33.4	36.4	36.4	39.4
137.5°	30.3	30.3	33.4	30.3	33.4
140°	27.3	24.3	27.3	27.3	30.3
142.5°	24.3	21.2	24.3	21.2	24.3
145°	21.2	18.2	18.2	18.2	21.2
147.5°	18.2	15.2	15.2	15.2	18.2
150°	15.2	12.1	12.1	12.1	15.2
152.5°	12.1	9.1	6.1	9.1	12.1
155°	9.1	9.1	3.0	6.1	9.1
157.5°	6.1	6.1	0.0	3.0	6.1
160°	3.0	3.0	0.0	3.0	3.0
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)