

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: P384645

Luminaire Tested: **22ID-55-L850-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384645
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-55-L850-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

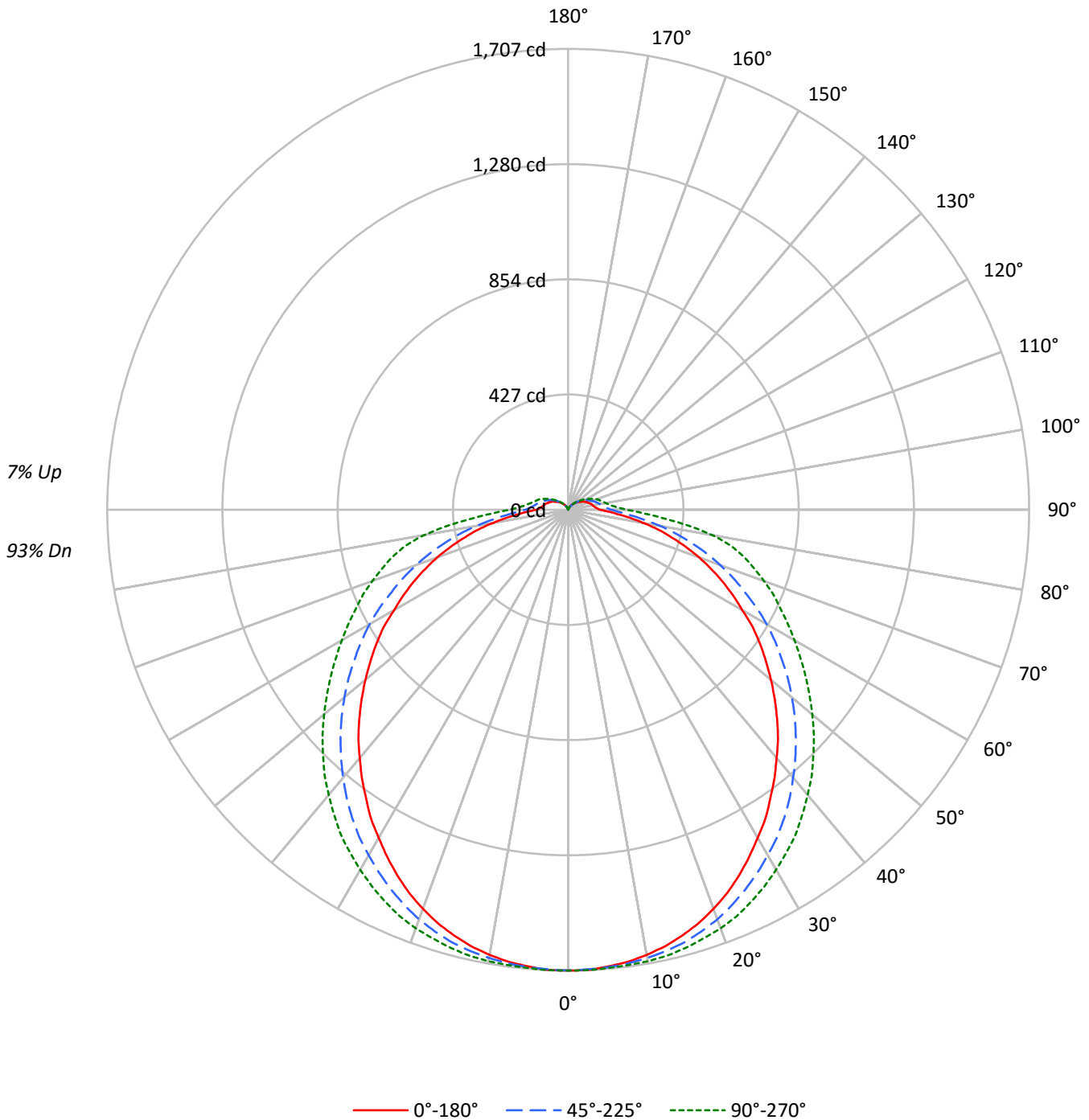
Lumens per Lamp: N/A
Luminaire Lumens: 5973.7 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 46.3
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: P384645
CATALOG NUMBER: 22ID-55-L850-CFD3

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°	4594	4594	4594
5°	4537	4525	4553
10°	4476	4468	4540
15°	4401	4414	4529
20°	4309	4344	4521
25°	4196	4258	4497
30°	4067	4166	4464
35°	3942	4076	4436
40°	3817	3964	4386
45°	3699	3854	4343
50°	3571	3739	4299
55°	3451	3616	4270
60°	3295	3499	4283
65°	3171	3329	4353
70°	3018	3171	4519
75°	2809	2949	4774
80°	2566	2674	4917
85°	2310	2345	4432



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.9	2.7
10°-20°	467.7	7.8
20°-30°	714.6	12.0
30°-40°	869.9	14.6
40°-50°	919.4	15.4
50°-60°	867.9	14.5
60°-70°	730.2	12.2
70°-80°	526.4	8.8
80°-90°	277.6	4.6
90°-100°	148.6	2.5
100°-110°	112.9	1.9
110°-120°	81.9	1.4
120°-130°	51.4	0.9
130°-140°	27.8	0.5
140°-150°	12.1	0.2
150°-160°	3.2	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1344.2	22.5
0°-40°	2214.1	37.1
0°-60°	4001.5	67.0
0°-90°	5535.7	92.7
90°-120°	343.3	5.7
90°-150°	434.6	7.3
90°-180°	438.0	7.3
0°-180°	5973.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1707	1707	1707	1707	1707	
5°	1698	1698	1701	1701	1704	161
15°	1633	1639	1659	1671	1680	460
25°	1496	1513	1552	1588	1603	689
35°	1305	1335	1394	1448	1469	817
45°	1093	1126	1192	1257	1284	844
55°	867	906	965	1037	1072	775
65°	632	667	721	810	867	624
75°	396	429	471	563	673	421
85°	182	206	229	286	349	170
90°	116	137	158	188	214	67
95°	101	116	134	152	164	81
105°	86	95	107	119	125	90
115°	68	74	83	89	95	69
125°	51	51	60	60	63	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°	1707.1	1707.1	1707.1	1707.1	1707.1
2.5°	1707.1	1704.1	1704.1	1704.1	1707.1
5°	1698.1	1698.1	1701.1	1701.1	1704.1
7.5°	1689.2	1689.2	1695.2	1698.1	1701.1
10°	1674.3	1677.3	1686.2	1692.2	1698.1
12.5°	1656.4	1659.4	1674.3	1686.2	1692.2
15°	1632.6	1638.6	1659.4	1671.3	1680.3
17.5°	1605.8	1614.7	1638.6	1656.4	1665.4
20°	1573.0	1584.9	1614.7	1638.6	1650.5
22.5°	1537.3	1549.2	1584.9	1614.7	1629.6
25°	1495.5	1513.4	1552.2	1587.9	1602.8
27.5°	1450.9	1471.7	1516.4	1558.1	1573.0
30°	1403.2	1427.0	1477.7	1522.4	1540.2
32.5°	1358.5	1382.3	1438.9	1486.6	1504.5
35°	1304.9	1334.7	1394.3	1447.9	1468.7
37.5°	1254.2	1284.0	1346.6	1403.2	1424.0
40°	1200.6	1230.4	1295.9	1358.5	1379.4
42.5°	1150.0	1179.8	1245.3	1310.8	1334.7
45°	1093.4	1126.1	1191.7	1257.2	1284.0
47.5°	1036.8	1069.5	1138.0	1206.6	1233.4
50°	980.2	1015.9	1081.4	1150.0	1179.8
52.5°	923.5	959.3	1024.8	1096.3	1126.1
55°	866.9	905.7	965.3	1036.8	1072.5
57.5°	810.3	849.1	908.7	983.1	1018.9
60°	744.8	789.5	849.1	926.5	968.2
62.5°	688.2	726.9	786.5	866.9	917.6
65°	631.6	667.3	721.0	810.3	866.9
67.5°	572.0	610.7	661.4	744.8	822.3
70°	515.4	548.2	598.8	685.2	771.6
72.5°	455.8	488.6	536.3	625.6	721.0
75°	396.2	429.0	470.7	563.1	673.3
77.5°	342.6	369.4	408.1	497.5	616.7
80°	283.0	309.8	345.6	426.0	542.2
82.5°	229.4	253.2	283.0	354.5	446.9
85°	181.7	205.6	229.4	286.0	348.6
87.5°	146.0	163.9	187.7	229.4	271.1
90°	116.2	137.0	157.9	187.7	214.5
92.5°	107.3	125.1	143.0	166.8	184.7
95°	101.3	116.2	134.1	151.9	163.9
97.5°	95.3	110.2	125.1	143.0	151.9
100°	92.4	104.3	119.2	134.1	140.0
102.5°	89.4	98.3	113.2	125.1	134.1
105°	86.4	95.3	107.3	119.2	125.1
107.5°	80.4	89.4	101.3	113.2	119.2
110°	77.5	83.4	95.3	104.3	113.2



TEST NUMBER: P384645

CATALOG NUMBER: 22ID-55-L850-CFD3

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	74.5	80.4	89.4	98.3	104.3
115°	68.5	74.5	83.4	89.4	95.3
117.5°	65.5	68.5	77.5	80.4	86.4
120°	59.6	62.6	71.5	74.5	77.5
122.5°	53.6	56.6	65.5	65.5	71.5
125°	50.6	50.6	59.6	59.6	62.6
127.5°	47.7	47.7	53.6	53.6	56.6
130°	41.7	41.7	47.7	47.7	47.7
132.5°	38.7	35.8	41.7	41.7	44.7
135°	35.8	32.8	35.8	35.8	38.7
137.5°	29.8	29.8	32.8	29.8	32.8
140°	26.8	23.8	26.8	26.8	29.8
142.5°	23.8	20.9	23.8	20.9	23.8
145°	20.9	17.9	17.9	17.9	20.9
147.5°	17.9	14.9	14.9	14.9	17.9
150°	14.9	11.9	11.9	11.9	14.9
152.5°	11.9	8.9	6.0	8.9	11.9
155°	8.9	8.9	3.0	6.0	8.9
157.5°	6.0	6.0	0.0	3.0	6.0
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)