

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: P384123

Luminaire Tested: **22ID-35-L835-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384123
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-35-L835-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

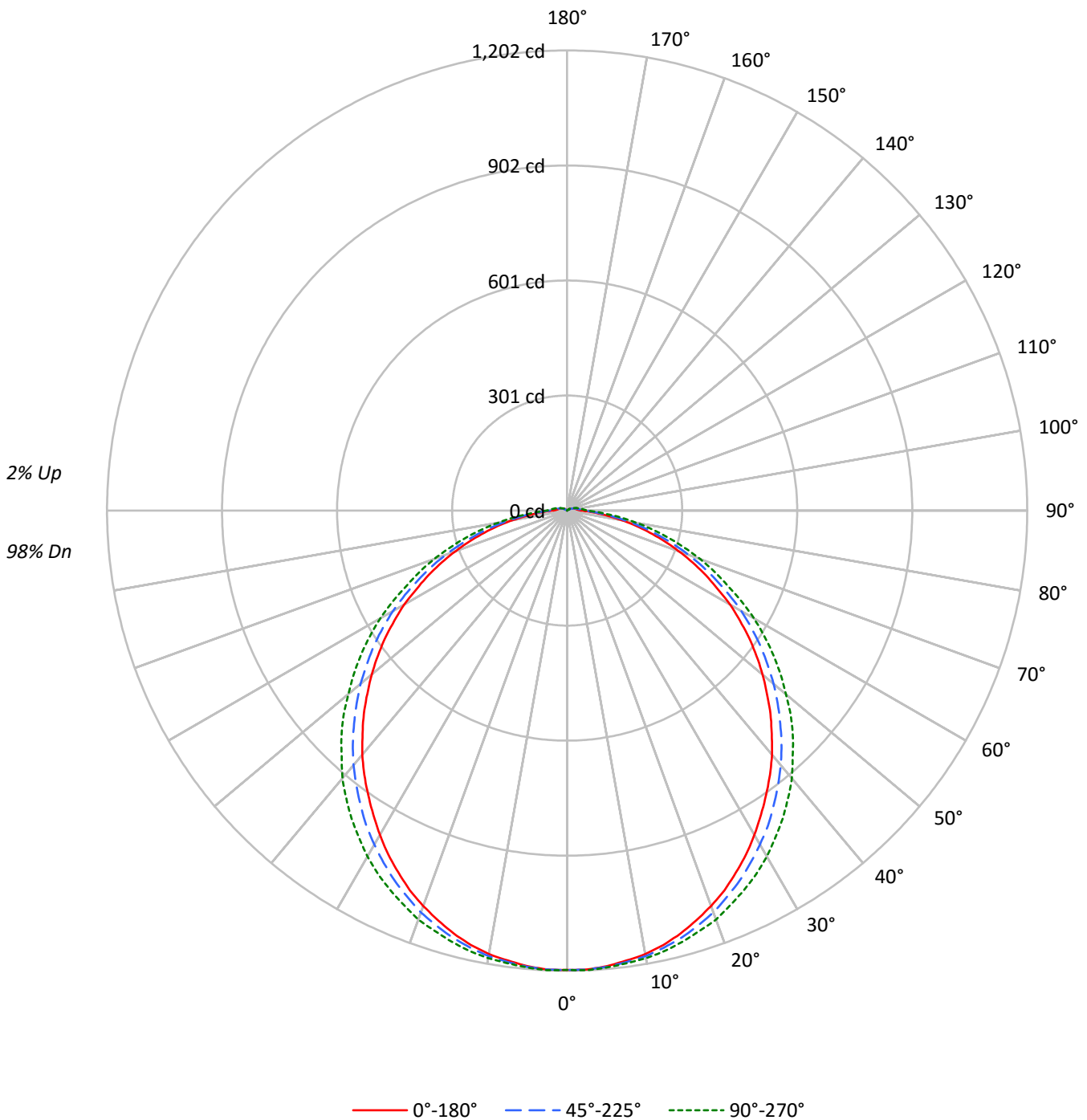
Lumens per Lamp: N/A
Luminaire Lumens: 3553.6 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 28.8
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: P384123
CATALOG NUMBER: 22ID-35-L835-CFD1

Luminous Intensity Polar Plot





TEST NUMBER: P384123

CATALOG NUMBER: 22ID-35-L835-CFD1

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°	3229	3229	3229
5°	3215	3215	3225
10°	3191	3196	3221
15°	3152	3167	3212
20°	3100	3132	3207
25°	3038	3082	3185
30°	2968	3026	3165
35°	2893	2967	3134
40°	2825	2907	3100
45°	2745	2830	3048
50°	2659	2755	2975
55°	2569	2667	2912
60°	2469	2569	2831
65°	2338	2424	2696
70°	2188	2281	2607
75°	2010	2088	2464
80°	1806	1862	2304
85°	1621	1663	2186



TEST NUMBER: P384123

CATALOG NUMBER: 22ID-35-L835-CFD1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	3.2
10°-20°	325.8	9.2
20°-30°	491.8	13.8
30°-40°	589.3	16.6
40°-50°	609.2	17.1
50°-60°	551.7	15.5
60°-70°	426.9	12.0
70°-80°	262.3	7.4
80°-90°	104.2	2.9
90°-100°	38.0	1.1
100°-110°	23.3	0.7
110°-120°	12.0	0.3
120°-130°	5.1	0.1
130°-140°	0.3	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°	931.2	26.2
0°-40°	1520.5	42.8
0°-60°	2681.5	75.5
0°-90°	3474.8	97.8
90°-120°	73.3	2.1
90°-150°	78.8	2.2
90°-180°	79.0	2.2
0°-180°	3553.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1200	1200	1200	1200	1200	
5°	1194	1194	1196	1196	1198	113
15°	1144	1146	1155	1162	1166	322
25°	1043	1050	1067	1085	1094	481
35°	906	917	940	966	982	567
45°	751	760	787	820	834	579
55°	580	593	616	643	658	518
65°	400	409	429	450	461	396
75°	223	234	245	261	274	238
85°	78	83	90	99	104	77
90°	36	41	45	50	54	21
95°	27	31	34	38	41	22
105°	20	20	22	23	25	21
115°	13	11	11	13	14	13
125°	7	5	4	5	7	7
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: P384123

CATALOG NUMBER: 22ID-35-L835-CFD1

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1199.9	1199.9	1199.9	1199.9	1199.9
2.5°	1199.9	1198.1	1199.9	1199.9	1201.7
5°	1194.5	1194.5	1196.3	1196.3	1198.1
7.5°	1185.5	1185.5	1189.1	1190.9	1192.7
10°	1176.5	1176.5	1181.9	1183.7	1187.3
12.5°	1162.1	1163.9	1169.3	1174.7	1178.3
15°	1144.0	1145.8	1154.9	1162.1	1165.7
17.5°	1122.4	1126.0	1136.8	1147.6	1151.2
20°	1099.0	1104.4	1117.0	1129.6	1136.8
22.5°	1073.8	1077.4	1091.8	1108.0	1115.2
25°	1043.1	1050.4	1066.6	1084.6	1093.6
27.5°	1012.5	1019.7	1037.7	1059.4	1070.2
30°	978.3	985.5	1007.1	1030.5	1043.1
32.5°	942.3	951.3	976.5	999.9	1012.5
35°	906.2	917.0	940.5	965.7	981.9
37.5°	870.2	879.2	904.4	931.4	947.7
40°	832.4	841.4	868.4	895.4	913.4
42.5°	790.9	801.7	828.8	857.6	872.0
45°	751.3	760.3	787.3	819.7	834.2
47.5°	708.0	720.7	745.9	776.5	792.7
50°	666.6	677.4	704.4	733.3	745.9
52.5°	623.4	634.2	659.4	688.2	702.6
55°	580.1	592.7	616.2	643.2	657.6
57.5°	535.1	547.7	571.1	594.5	610.8
60°	491.8	504.5	526.1	549.5	563.9
62.5°	443.2	454.0	477.4	502.7	513.5
65°	400.0	409.0	428.8	450.4	461.2
67.5°	354.9	365.7	383.7	403.6	416.2
70°	309.9	322.5	336.9	354.9	369.3
72.5°	266.6	277.5	290.1	308.1	320.7
75°	223.4	234.2	245.0	261.2	273.8
77.5°	185.6	191.0	201.8	216.2	228.8
80°	144.1	151.3	160.3	174.8	183.8
82.5°	108.1	115.3	122.5	133.3	142.3
85°	77.5	82.9	90.1	99.1	104.5
87.5°	52.2	57.7	63.1	70.3	75.7
90°	36.0	41.4	45.0	50.4	54.0
92.5°	30.6	34.2	37.8	41.4	45.0
95°	27.0	30.6	34.2	37.8	41.4
97.5°	25.2	27.0	30.6	34.2	36.0
100°	23.4	25.2	27.0	30.6	32.4
102.5°	21.6	21.6	25.2	27.0	28.8
105°	19.8	19.8	21.6	23.4	25.2
107.5°	18.0	18.0	19.8	19.8	23.4
110°	16.2	14.4	16.2	16.2	19.8



TEST NUMBER: P384123

CATALOG NUMBER: 22ID-35-L835-CFD1

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	14.4	12.6	14.4	14.4	16.2
115°	12.6	10.8	10.8	12.6	14.4
117.5°	10.8	9.0	9.0	9.0	12.6
120°	10.8	9.0	7.2	7.2	10.8
122.5°	9.0	7.2	5.4	7.2	9.0
125°	7.2	5.4	3.6	5.4	7.2
127.5°	5.4	5.4	1.8	3.6	5.4
130°	5.4	3.6	1.8	3.6	3.6
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)