

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: P384635

Luminaire Tested: **22ID-45-L835-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384635
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-45-L835-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

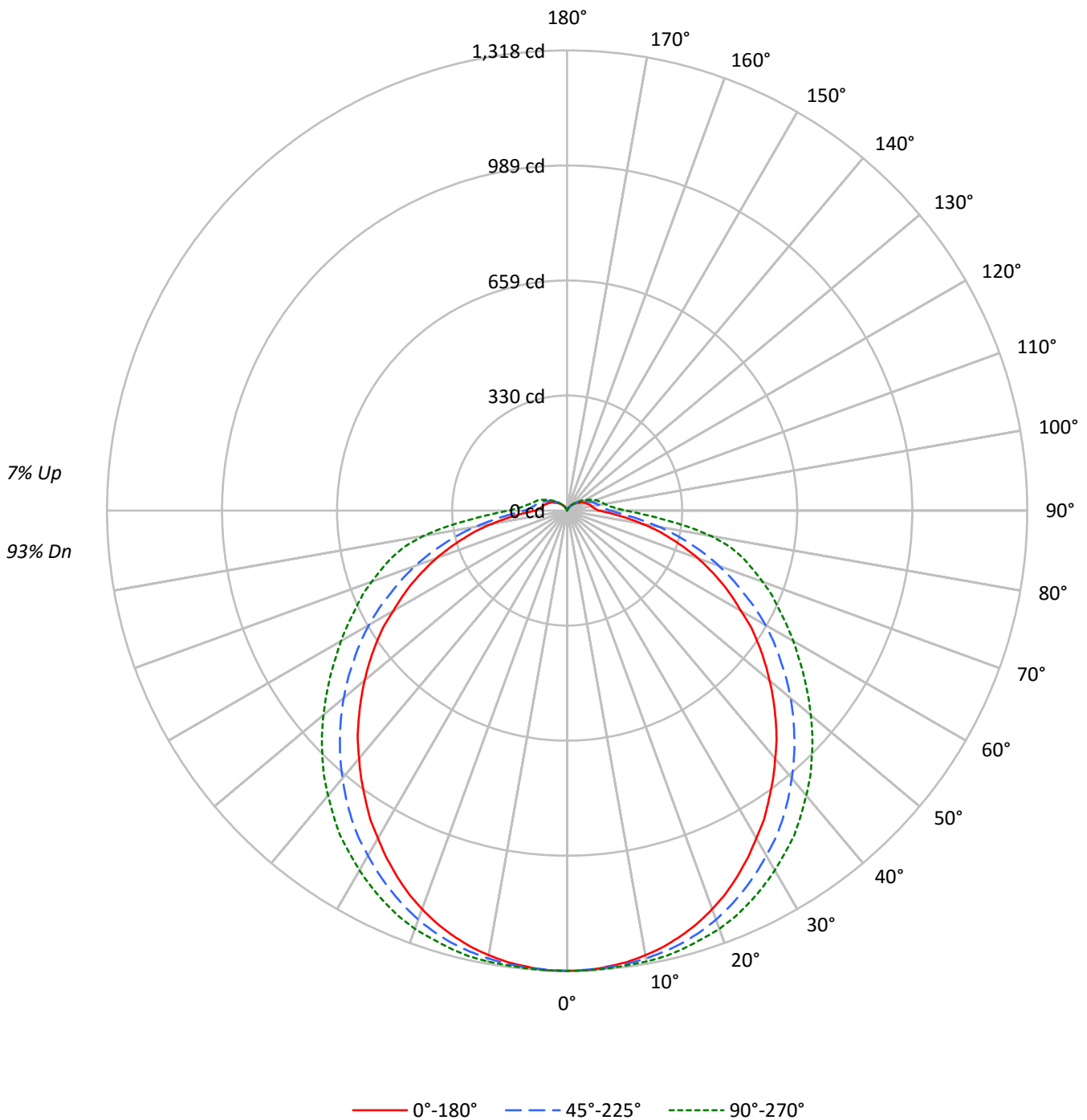
Lumens per Lamp: N/A
Luminaire Lumens: 4613.4 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 37.2
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°	3548	3548	3548
5°	3504	3495	3517
10°	3457	3451	3506
15°	3399	3409	3498
20°	3327	3355	3491
25°	3241	3288	3473
30°	3141	3218	3447
35°	3044	3148	3426
40°	2948	3062	3387
45°	2856	2976	3355
50°	2758	2888	3320
55°	2665	2793	3297
60°	2545	2702	3308
65°	2449	2571	3362
70°	2331	2449	3490
75°	2169	2277	3687
80°	1982	2065	3798
85°	1785	1811	3422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.0	2.7
10°-20°	361.2	7.8
20°-30°	551.9	12.0
30°-40°	671.8	14.6
40°-50°	710.1	15.4
50°-60°	670.3	14.5
60°-70°	563.9	12.2
70°-80°	406.6	8.8
80°-90°	214.4	4.6
90°-100°	114.7	2.5
100°-110°	87.1	1.9
110°-120°	63.2	1.4
120°-130°	39.7	0.9
130°-140°	21.4	0.5
140°-150°	9.4	0.2
150°-160°	2.5	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1038.2	22.5
0°-40°	1710.0	37.1
0°-60°	3090.4	67.0
0°-90°	4275.3	92.7
90°-120°	265.1	5.7
90°-150°	335.6	7.3
90°-180°	338.0	7.3
0°-180°	4613.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1318	1318	1318	1318	1318	
5°	1312	1312	1314	1314	1316	125
15°	1261	1266	1282	1291	1298	356
25°	1155	1169	1199	1226	1238	532
35°	1008	1031	1077	1118	1134	631
45°	844	870	920	971	992	652
55°	670	700	746	801	828	598
65°	488	515	557	626	670	482
75°	306	331	364	435	520	325
85°	140	159	177	221	269	132
90°	90	106	122	145	166	51
95°	78	90	104	117	126	62
105°	67	74	83	92	97	70
115°	53	58	64	69	74	53
125°	39	39	46	46	48	35
135°	28	25	28	28	30	21
145°	16	14	14	14	16	10
155°	7	7	2	5	7	3
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°	1318.4	1318.4	1318.4	1318.4	1318.4
2.5°	1318.4	1316.1	1316.1	1316.1	1318.4
5°	1311.5	1311.5	1313.8	1313.8	1316.1
7.5°	1304.6	1304.6	1309.2	1311.5	1313.8
10°	1293.1	1295.4	1302.3	1306.9	1311.5
12.5°	1279.3	1281.6	1293.1	1302.3	1306.9
15°	1260.9	1265.5	1281.6	1290.8	1297.7
17.5°	1240.1	1247.0	1265.5	1279.3	1286.2
20°	1214.8	1224.0	1247.0	1265.5	1274.7
22.5°	1187.2	1196.4	1224.0	1247.0	1258.6
25°	1155.0	1168.8	1198.7	1226.3	1237.8
27.5°	1120.5	1136.6	1171.1	1203.3	1214.8
30°	1083.7	1102.1	1141.2	1175.7	1189.5
32.5°	1049.2	1067.6	1111.3	1148.1	1161.9
35°	1007.8	1030.8	1076.8	1118.2	1134.3
37.5°	968.6	991.7	1040.0	1083.7	1099.8
40°	927.2	950.2	1000.9	1049.2	1065.3
42.5°	888.1	911.1	961.7	1012.4	1030.8
45°	844.4	869.7	920.3	970.9	991.7
47.5°	800.7	826.0	878.9	931.8	952.5
50°	757.0	784.6	835.2	888.1	911.1
52.5°	713.3	740.9	791.5	846.7	869.7
55°	669.5	699.5	745.5	800.7	828.3
57.5°	625.8	655.7	701.8	759.3	786.9
60°	575.2	609.7	655.7	715.6	747.8
62.5°	531.5	561.4	607.4	669.5	708.7
65°	487.8	515.4	556.8	625.8	669.5
67.5°	441.8	471.7	510.8	575.2	635.0
70°	398.0	423.4	462.5	529.2	595.9
72.5°	352.0	377.3	414.1	483.2	556.8
75°	306.0	331.3	363.5	434.9	520.0
77.5°	264.6	285.3	315.2	384.2	476.3
80°	218.6	239.3	266.9	329.0	418.8
82.5°	177.2	195.6	218.6	273.8	345.1
85°	140.4	158.8	177.2	220.9	269.2
87.5°	112.7	126.5	145.0	177.2	209.4
90°	89.7	105.8	121.9	145.0	165.7
92.5°	82.8	96.6	110.4	128.8	142.7
95°	78.2	89.7	103.5	117.3	126.5
97.5°	73.6	85.1	96.6	110.4	117.3
100°	71.3	80.5	92.0	103.5	108.1
102.5°	69.0	75.9	87.4	96.6	103.5
105°	66.7	73.6	82.8	92.0	96.6
107.5°	62.1	69.0	78.2	87.4	92.0
110°	59.8	64.4	73.6	80.5	87.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	57.5	62.1	69.0	75.9	80.5
115°	52.9	57.5	64.4	69.0	73.6
117.5°	50.6	52.9	59.8	62.1	66.7
120°	46.0	48.3	55.2	57.5	59.8
122.5°	41.4	43.7	50.6	50.6	55.2
125°	39.1	39.1	46.0	46.0	48.3
127.5°	36.8	36.8	41.4	41.4	43.7
130°	32.2	32.2	36.8	36.8	36.8
132.5°	29.9	27.6	32.2	32.2	34.5
135°	27.6	25.3	27.6	27.6	29.9
137.5°	23.0	23.0	25.3	23.0	25.3
140°	20.7	18.4	20.7	20.7	23.0
142.5°	18.4	16.1	18.4	16.1	18.4
145°	16.1	13.8	13.8	13.8	16.1
147.5°	13.8	11.5	11.5	11.5	13.8
150°	11.5	9.2	9.2	9.2	11.5
152.5°	9.2	6.9	4.6	6.9	9.2
155°	6.9	6.9	2.3	4.6	6.9
157.5°	4.6	4.6	0.0	2.3	4.6
160°	2.3	2.3	0.0	2.3	2.3
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)