

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: P384282

Luminaire Tested: **22ID-25-L830-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-68)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-25-L830-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

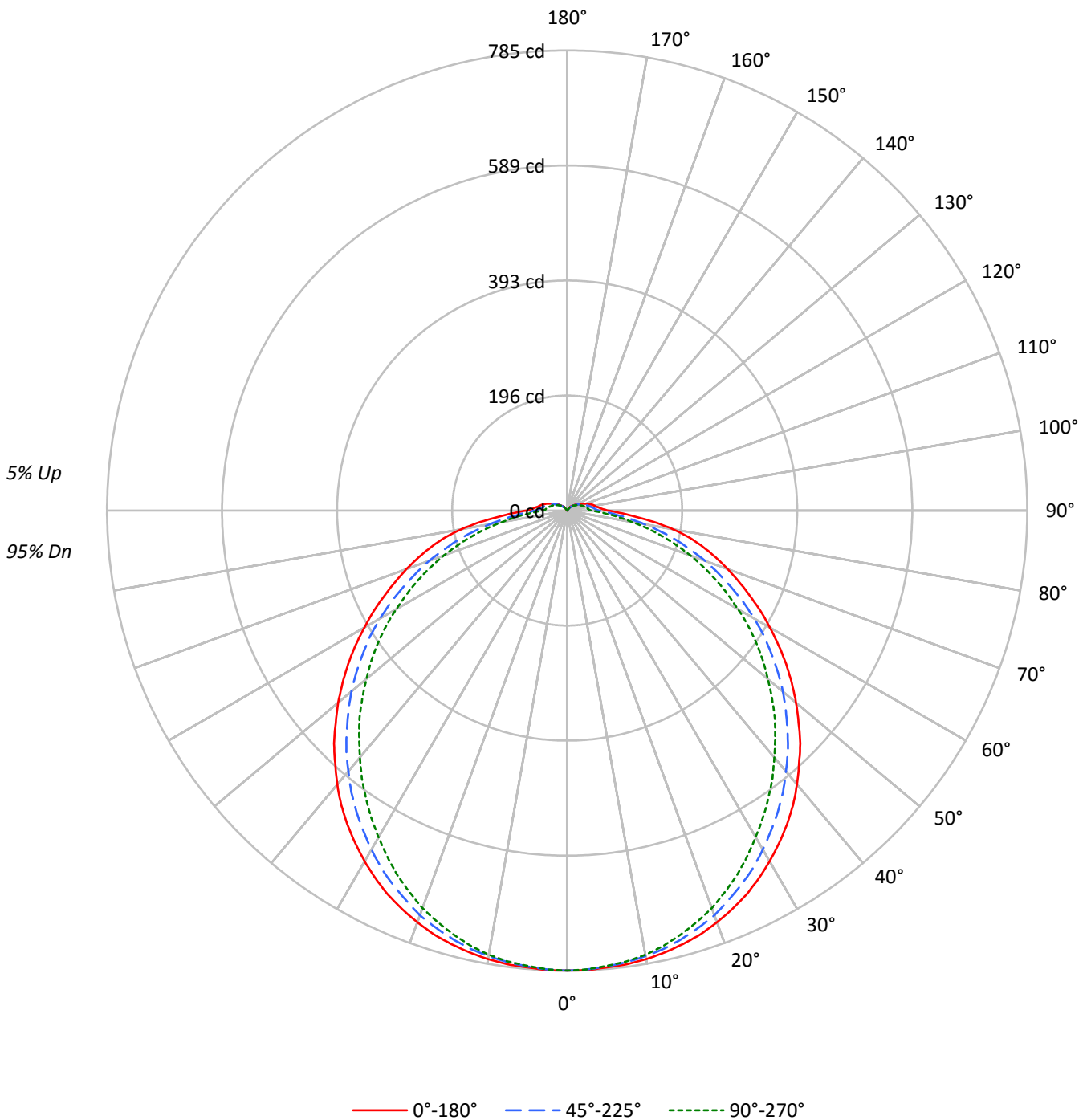
Lumens per Lamp: N/A
Luminaire Lumens: 2545.0 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.6
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55	53
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47	45
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36	33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25	24
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2112	2112	2112
5°	2097	2088	2090
10°	2092	2066	2072
15°	2086	2043	2040
20°	2077	2017	2006
25°	2066	1981	1960
30°	2048	1943	1907
35°	2029	1902	1858
40°	2003	1856	1805
45°	1976	1810	1760
50°	1941	1763	1702
55°	1911	1707	1653
60°	1878	1647	1583
65°	1859	1567	1513
70°	1866	1488	1431
75°	1905	1382	1324
80°	1932	1241	1189
85°	1828	1116	1096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	2.9
10°-20°	213.6	8.4
20°-30°	324.4	12.7
30°-40°	391.8	15.4
40°-50°	410.1	16.1
50°-60°	380.5	15.0
60°-70°	308.2	12.1
70°-80°	208.0	8.2
80°-90°	100.5	3.9
90°-100°	50.5	2.0
100°-110°	36.7	1.4
110°-120°	24.6	1.0
120°-130°	14.2	0.6
130°-140°	7.2	0.3
140°-150°	0.5	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	612.2	24.1
0°-40°	1004.0	39.4
0°-60°	1794.5	70.5
0°-90°	2411.2	94.7
90°-120°	111.8	4.4
90°-150°	133.8	5.3
90°-180°	134.0	5.3
0°-180°	2545.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	785	785	785	785	785	
5°	782	781	781	780	780	75
15°	765	762	756	751	749	216
25°	723	717	704	691	686	333
35°	654	645	627	607	598	409
45°	562	552	532	510	501	433
55°	456	446	425	404	394	408
65°	344	331	308	292	280	342
75°	240	216	191	177	167	253
85°	116	100	85	77	69	109
90°	69	63	54	49	41	40
95°	55	51	46	41	36	43
105°	41	38	35	31	28	44
115°	28	26	26	22	22	28
125°	18	15	17	14	15	16
135°	10	9	9	9	10	8
145°	0	0	0	0	0	1
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	784.7	784.7	784.7	784.7	784.7
2.5°	784.7	783.4	783.4	783.4	783.4
5°	782.1	780.8	780.8	779.5	779.5
7.5°	780.8	778.3	777.0	775.7	775.7
10°	777.0	774.4	771.8	769.3	769.3
12.5°	771.8	769.3	765.4	760.3	760.3
15°	765.4	761.6	756.4	751.3	748.7
17.5°	757.7	753.8	746.1	738.4	735.9
20°	747.4	742.3	734.6	724.3	721.7
22.5°	735.9	730.7	719.2	708.9	703.8
25°	723.0	716.6	703.8	690.9	685.8
27.5°	707.6	701.2	687.1	671.7	665.2
30°	690.9	683.2	667.8	651.1	643.4
32.5°	672.9	664.0	647.3	629.3	621.6
35°	653.7	644.7	626.7	607.4	598.5
37.5°	633.1	624.1	604.9	584.3	575.3
40°	610.0	601.0	580.5	559.9	549.7
42.5°	585.6	577.9	557.4	535.5	525.3
45°	562.5	552.2	531.7	509.8	500.9
47.5°	535.5	527.8	506.0	484.2	473.9
50°	509.8	500.9	480.3	458.5	446.9
52.5°	482.9	475.2	453.3	431.5	421.2
55°	455.9	445.6	425.1	404.5	394.3
57.5°	427.7	418.7	398.1	378.9	366.0
60°	399.4	390.4	368.6	350.6	336.5
62.5°	372.4	362.2	339.0	319.8	308.2
65°	344.2	331.3	308.2	291.5	280.0
67.5°	317.2	301.8	278.7	263.3	251.7
70°	291.5	273.5	250.4	235.0	223.5
72.5°	265.8	244.0	219.6	205.5	195.2
75°	240.2	215.8	191.4	177.2	167.0
77.5°	214.5	186.2	161.8	150.3	140.0
80°	183.6	156.7	133.6	123.3	113.0
82.5°	149.0	127.1	107.9	97.6	89.9
85°	115.6	100.2	84.8	77.1	69.3
87.5°	89.9	78.3	66.8	60.4	53.9
90°	69.3	62.9	53.9	48.8	41.1
92.5°	60.4	55.2	48.8	43.7	37.2
95°	55.2	51.4	46.2	41.1	36.0
97.5°	50.1	47.5	42.4	38.5	33.4
100°	47.5	43.7	39.8	36.0	32.1
102.5°	44.9	41.1	37.2	33.4	30.8
105°	41.1	38.5	34.7	30.8	28.3
107.5°	38.5	34.7	32.1	28.3	27.0
110°	34.7	32.1	29.5	27.0	25.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	30.8	29.5	27.0	24.4	23.1
115°	28.3	25.7	25.7	21.8	21.8
117.5°	25.7	23.1	23.1	20.5	20.5
120°	21.8	20.5	20.5	18.0	18.0
122.5°	19.3	18.0	18.0	16.7	16.7
125°	18.0	15.4	16.7	14.1	15.4
127.5°	15.4	14.1	14.1	12.8	14.1
130°	12.8	11.6	11.6	11.6	12.8
132.5°	11.6	10.3	10.3	10.3	11.6
135°	10.3	9.0	9.0	9.0	10.3
137.5°	9.0	7.7	6.4	7.7	9.0
140°	7.7	6.4	5.1	6.4	7.7
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)