

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: P384283

Luminaire Tested: **22ID-25-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384283
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-L835-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

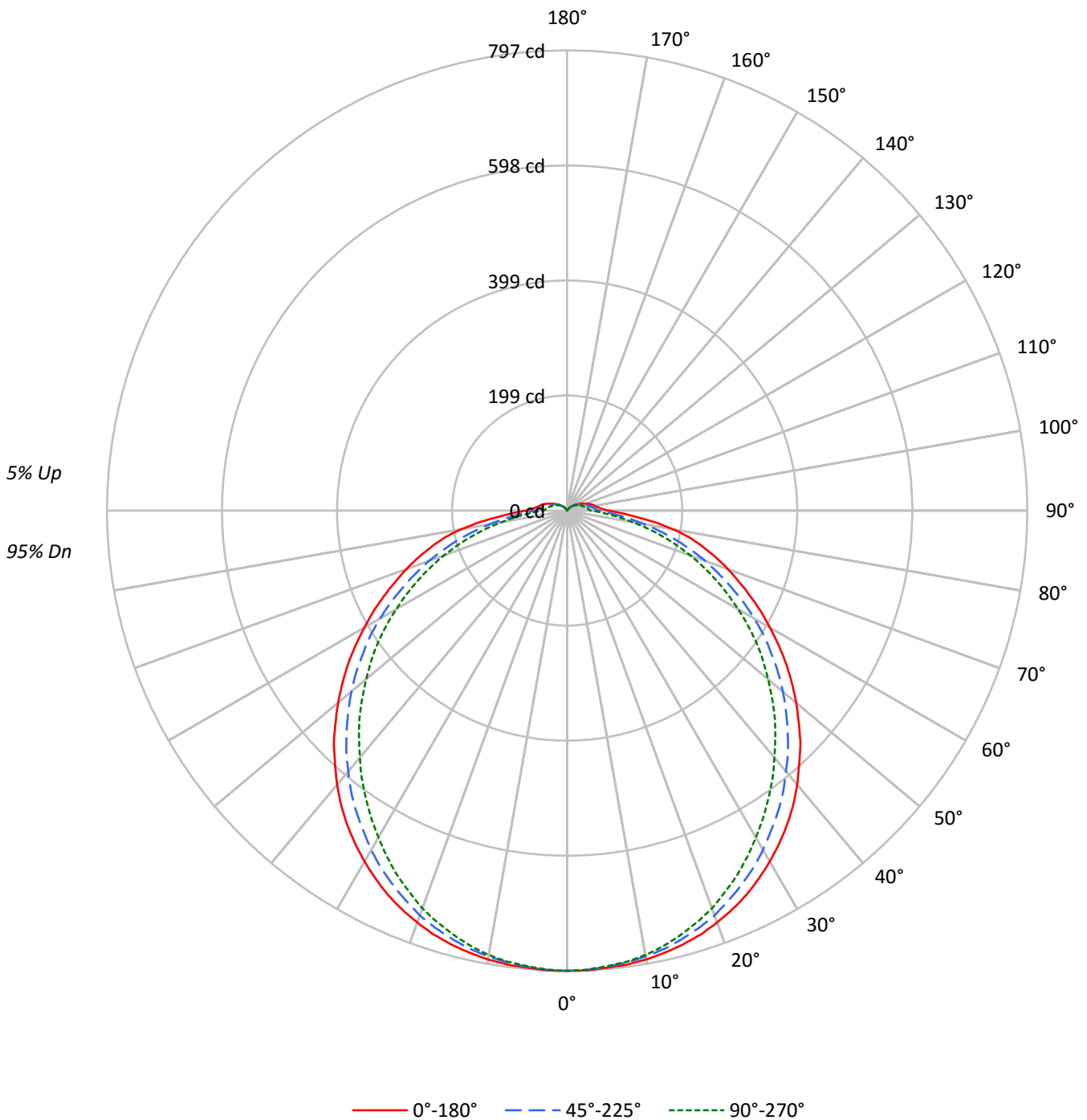
Lumens per Lamp: N/A
Luminaire Lumens: 2585.4 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): 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: P384283
CATALOG NUMBER: 22ID-25-L835-CFD2

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°	2145	2145	2145
5°	2131	2121	2124
10°	2126	2099	2105
15°	2119	2075	2073
20°	2110	2049	2038
25°	2099	2012	1991
30°	2081	1974	1938
35°	2061	1932	1887
40°	2035	1885	1833
45°	2007	1839	1787
50°	1972	1791	1729
55°	1942	1734	1679
60°	1908	1673	1608
65°	1889	1591	1536
70°	1896	1512	1453
75°	1935	1404	1345
80°	1964	1260	1208
85°	1856	1133	1113



TEST NUMBER: P384283

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	2.9
10°-20°	216.9	8.4
20°-30°	329.5	12.7
30°-40°	398.0	15.4
40°-50°	416.6	16.1
50°-60°	386.5	15.0
60°-70°	313.1	12.1
70°-80°	211.3	8.2
80°-90°	102.1	3.9
90°-100°	51.4	2.0
100°-110°	37.3	1.4
110°-120°	25.0	1.0
120°-130°	14.5	0.6
130°-140°	7.3	0.3
140°-150°	0.6	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	621.9	24.1
0°-40°	1019.9	39.4
0°-60°	1823.0	70.5
0°-90°	2449.4	94.7
90°-120°	113.6	4.4
90°-150°	135.9	5.3
90°-180°	136.0	5.3
0°-180°	2585.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	797	797	797	797	797	
5°	794	793	793	792	792	76
15°	778	774	768	763	761	220
25°	734	728	715	702	697	338
35°	664	655	637	617	608	415
45°	571	561	540	518	509	440
55°	463	453	432	411	400	414
65°	350	337	313	296	284	347
75°	244	219	194	180	170	257
85°	117	102	86	78	70	111
90°	70	64	55	50	42	40
95°	56	52	47	42	36	44
105°	42	39	35	31	29	45
115°	29	26	26	22	22	29
125°	18	16	17	14	16	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



TEST NUMBER: P384283

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	797.1	797.1	797.1	797.1	797.1
2.5°	797.1	795.8	795.8	795.8	795.8
5°	794.5	793.2	793.2	791.9	791.9
7.5°	793.2	790.6	789.3	788.0	788.0
10°	789.3	786.7	784.1	781.5	781.5
12.5°	784.1	781.5	777.6	772.3	772.3
15°	777.6	773.6	768.4	763.2	760.6
17.5°	769.7	765.8	758.0	750.2	747.6
20°	759.3	754.1	746.2	735.8	733.2
22.5°	747.6	742.3	730.6	720.2	714.9
25°	734.5	728.0	714.9	701.9	696.7
27.5°	718.8	712.3	698.0	682.3	675.8
30°	701.9	694.1	678.4	661.4	653.6
32.5°	683.6	674.5	657.5	639.3	631.4
35°	664.1	654.9	636.7	617.1	608.0
37.5°	643.2	634.0	614.5	593.6	584.5
40°	619.7	610.6	589.7	568.8	558.4
42.5°	594.9	587.1	566.2	544.0	533.6
45°	571.4	561.0	540.1	517.9	508.8
47.5°	544.0	536.2	514.0	491.8	481.4
50°	517.9	508.8	487.9	465.8	454.0
52.5°	490.5	482.7	460.5	438.4	427.9
55°	463.1	452.7	431.8	411.0	400.5
57.5°	434.4	425.3	404.4	384.9	371.8
60°	405.7	396.6	374.4	356.2	341.8
62.5°	378.3	367.9	344.4	324.9	313.1
65°	349.6	336.6	313.1	296.2	284.4
67.5°	322.2	306.6	283.1	267.4	255.7
70°	296.2	277.9	254.4	238.7	227.0
72.5°	270.1	247.9	223.1	208.7	198.3
75°	244.0	219.2	194.4	180.0	169.6
77.5°	217.9	189.2	164.4	152.6	142.2
80°	186.6	159.2	135.7	125.2	114.8
82.5°	151.3	129.2	109.6	99.2	91.3
85°	117.4	101.8	86.1	78.3	70.4
87.5°	91.3	79.6	67.8	61.3	54.8
90°	70.4	63.9	54.8	49.6	41.7
92.5°	61.3	56.1	49.6	44.4	37.8
95°	56.1	52.2	47.0	41.7	36.5
97.5°	50.9	48.3	43.1	39.1	33.9
100°	48.3	44.4	40.4	36.5	32.6
102.5°	45.7	41.7	37.8	33.9	31.3
105°	41.7	39.1	35.2	31.3	28.7
107.5°	39.1	35.2	32.6	28.7	27.4
110°	35.2	32.6	30.0	27.4	26.1



TEST NUMBER: P384283

CATALOG NUMBER: 22ID-25-L835-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	31.3	30.0	27.4	24.8	23.5
115°	28.7	26.1	26.1	22.2	22.2
117.5°	26.1	23.5	23.5	20.9	20.9
120°	22.2	20.9	20.9	18.3	18.3
122.5°	19.6	18.3	18.3	17.0	17.0
125°	18.3	15.7	17.0	14.4	15.7
127.5°	15.7	14.4	14.4	13.0	14.4
130°	13.0	11.7	11.7	11.7	13.0
132.5°	11.7	10.4	10.4	10.4	11.7
135°	10.4	9.1	9.1	9.1	10.4
137.5°	9.1	7.8	6.5	7.8	9.1
140°	7.8	6.5	5.2	6.5	7.8
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)