

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: P384619

Luminaire Tested: **22ID-25-L835-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384619  
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-25-L835-CFD3  
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

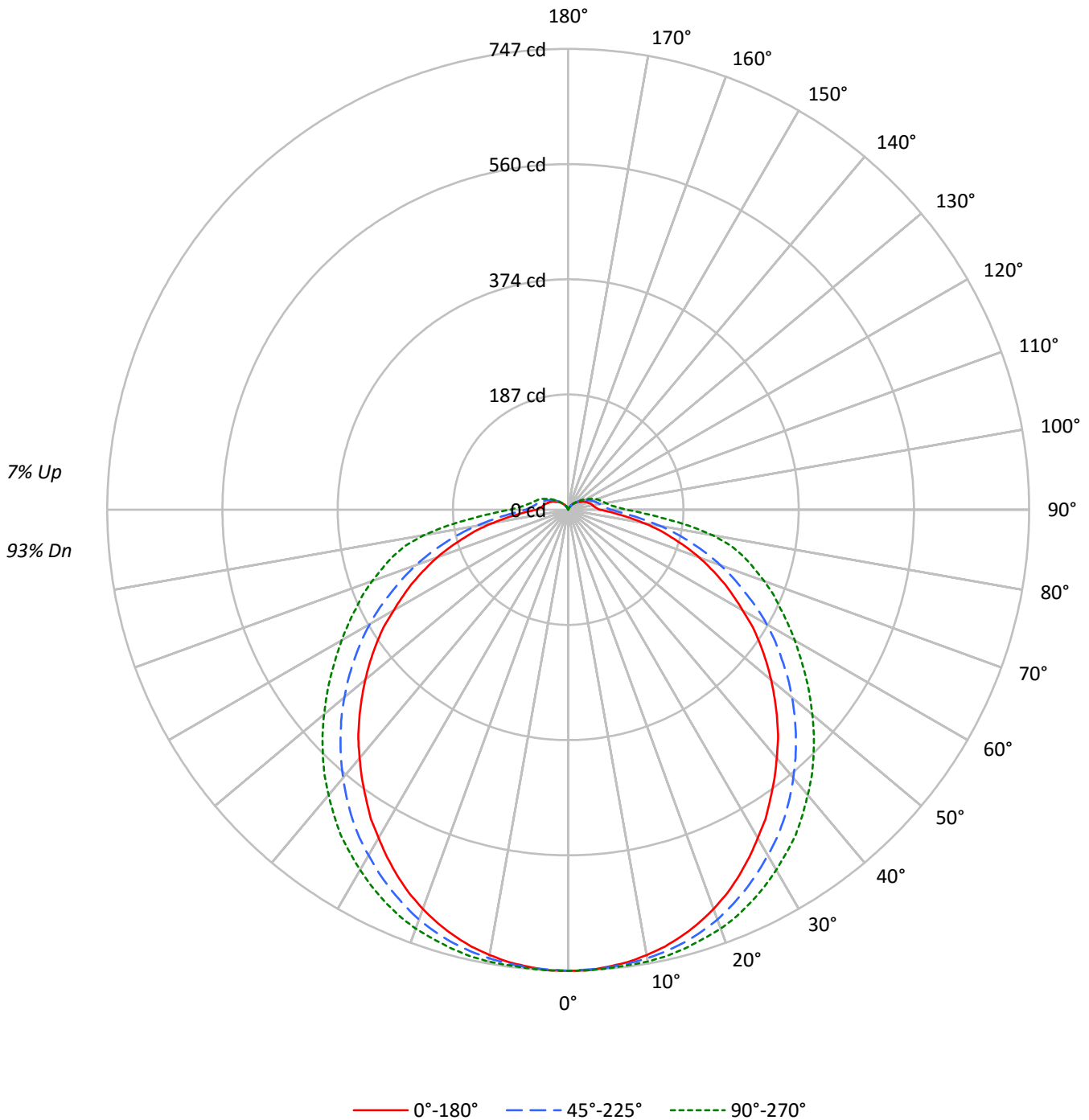
Lumens per Lamp: N/A  
Luminaire Lumens: 2615.4 lumens  
Efficiency: N/A  
Efficacy: 127.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P384619  
CATALOG NUMBER: 22ID-25-L835-CFD3

### Luminous Intensity Polar Plot





TEST NUMBER: P384619

CATALOG NUMBER: 22ID-25-L835-CFD3

**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°	2011	2011	2011
5°	1987	1981	1994
10°	1960	1956	1988
15°	1927	1932	1983
20°	1886	1902	1979
25°	1837	1864	1969
30°	1780	1824	1954
35°	1726	1784	1942
40°	1671	1736	1920
45°	1619	1687	1902
50°	1563	1637	1882
55°	1511	1583	1869
60°	1443	1532	1875
65°	1388	1458	1906
70°	1322	1389	1978
75°	1230	1291	2090
80°	1124	1171	2153
85°	1012	1026	1940



TEST NUMBER: P384619

CATALOG NUMBER: 22ID-25-L835-CFD3

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.9	2.7
10°-20°	204.8	7.8
20°-30°	312.9	12.0
30°-40°	380.9	14.6
40°-50°	402.6	15.4
50°-60°	380.0	14.5
60°-70°	319.7	12.2
70°-80°	230.5	8.8
80°-90°	121.5	4.6
90°-100°	65.1	2.5
100°-110°	49.4	1.9
110°-120°	35.8	1.4
120°-130°	22.5	0.9
130°-140°	12.2	0.5
140°-150°	5.3	0.2
150°-160°	1.4	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	588.5	22.5
0°-40°	969.4	37.1
0°-60°	1751.9	67.0
0°-90°	2423.7	92.7
90°-120°	150.3	5.7
90°-150°	190.3	7.3
90°-180°	192.0	7.3
0°-180°	2615.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	747	747	747	747	747	
5°	744	744	745	745	746	71
15°	715	717	726	732	736	202
25°	655	663	680	695	702	302
35°	571	584	610	634	643	358
45°	479	493	522	550	562	369
55°	380	396	423	454	470	339
65°	276	292	316	355	380	273
75°	174	188	206	246	295	184
85°	80	90	100	125	153	75
90°	51	60	69	82	94	29
95°	44	51	59	66	72	35
105°	38	42	47	52	55	40
115°	30	33	36	39	42	30
125°	22	22	26	26	27	20
135°	16	14	16	16	17	12
145°	9	8	8	8	9	6
155°	4	4	1	3	4	2
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P384619

CATALOG NUMBER: 22ID-25-L835-CFD3

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	747.4	747.4	747.4	747.4	747.4
2.5°	747.4	746.1	746.1	746.1	747.4
5°	743.5	743.5	744.8	744.8	746.1
7.5°	739.6	739.6	742.2	743.5	744.8
10°	733.0	734.3	738.3	740.9	743.5
12.5°	725.2	726.5	733.0	738.3	740.9
15°	714.8	717.4	726.5	731.7	735.6
17.5°	703.0	707.0	717.4	725.2	729.1
20°	688.7	693.9	707.0	717.4	722.6
22.5°	673.0	678.3	693.9	707.0	713.5
25°	654.8	662.6	679.6	695.2	701.7
27.5°	635.2	644.3	663.9	682.2	688.7
30°	614.3	624.8	647.0	666.5	674.3
32.5°	594.8	605.2	630.0	650.9	658.7
35°	571.3	584.3	610.4	633.9	643.0
37.5°	549.1	562.2	589.6	614.3	623.5
40°	525.7	538.7	567.4	594.8	603.9
42.5°	503.5	516.5	545.2	573.9	584.3
45°	478.7	493.0	521.7	550.4	562.2
47.5°	453.9	468.3	498.3	528.3	540.0
50°	429.1	444.8	473.5	503.5	516.5
52.5°	404.3	420.0	448.7	480.0	493.0
55°	379.6	396.5	422.6	453.9	469.6
57.5°	354.8	371.7	397.8	430.4	446.1
60°	326.1	345.7	371.7	405.7	423.9
62.5°	301.3	318.3	344.3	379.6	401.7
65°	276.5	292.2	315.7	354.8	379.6
67.5°	250.4	267.4	289.6	326.1	360.0
70°	225.7	240.0	262.2	300.0	337.8
72.5°	199.6	213.9	234.8	273.9	315.7
75°	173.5	187.8	206.1	246.5	294.8
77.5°	150.0	161.7	178.7	217.8	270.0
80°	123.9	135.7	151.3	186.5	237.4
82.5°	100.4	110.9	123.9	155.2	195.7
85°	79.6	90.0	100.4	125.2	152.6
87.5°	63.9	71.7	82.2	100.4	118.7
90°	50.9	60.0	69.1	82.2	93.9
92.5°	47.0	54.8	62.6	73.0	80.9
95°	44.3	50.9	58.7	66.5	71.7
97.5°	41.7	48.3	54.8	62.6	66.5
100°	40.4	45.7	52.2	58.7	61.3
102.5°	39.1	43.0	49.6	54.8	58.7
105°	37.8	41.7	47.0	52.2	54.8
107.5°	35.2	39.1	44.3	49.6	52.2
110°	33.9	36.5	41.7	45.7	49.6



TEST NUMBER: P384619

CATALOG NUMBER: 22ID-25-L835-CFD3

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	32.6	35.2	39.1	43.0	45.7
115°	30.0	32.6	36.5	39.1	41.7
117.5°	28.7	30.0	33.9	35.2	37.8
120°	26.1	27.4	31.3	32.6	33.9
122.5°	23.5	24.8	28.7	28.7	31.3
125°	22.2	22.2	26.1	26.1	27.4
127.5°	20.9	20.9	23.5	23.5	24.8
130°	18.3	18.3	20.9	20.9	20.9
132.5°	17.0	15.7	18.3	18.3	19.6
135°	15.7	14.3	15.7	15.7	17.0
137.5°	13.0	13.0	14.3	13.0	14.3
140°	11.7	10.4	11.7	11.7	13.0
142.5°	10.4	9.1	10.4	9.1	10.4
145°	9.1	7.8	7.8	7.8	9.1
147.5°	7.8	6.5	6.5	6.5	7.8
150°	6.5	5.2	5.2	5.2	6.5
152.5°	5.2	3.9	2.6	3.9	5.2
155°	3.9	3.9	1.3	2.6	3.9
157.5°	2.6	2.6	0.0	1.3	2.6
160°	1.3	1.3	0.0	1.3	1.3
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)