

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: P383943

Luminaire Tested: **22ID-20-L835-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383943  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22ID-20-L835-CFR2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

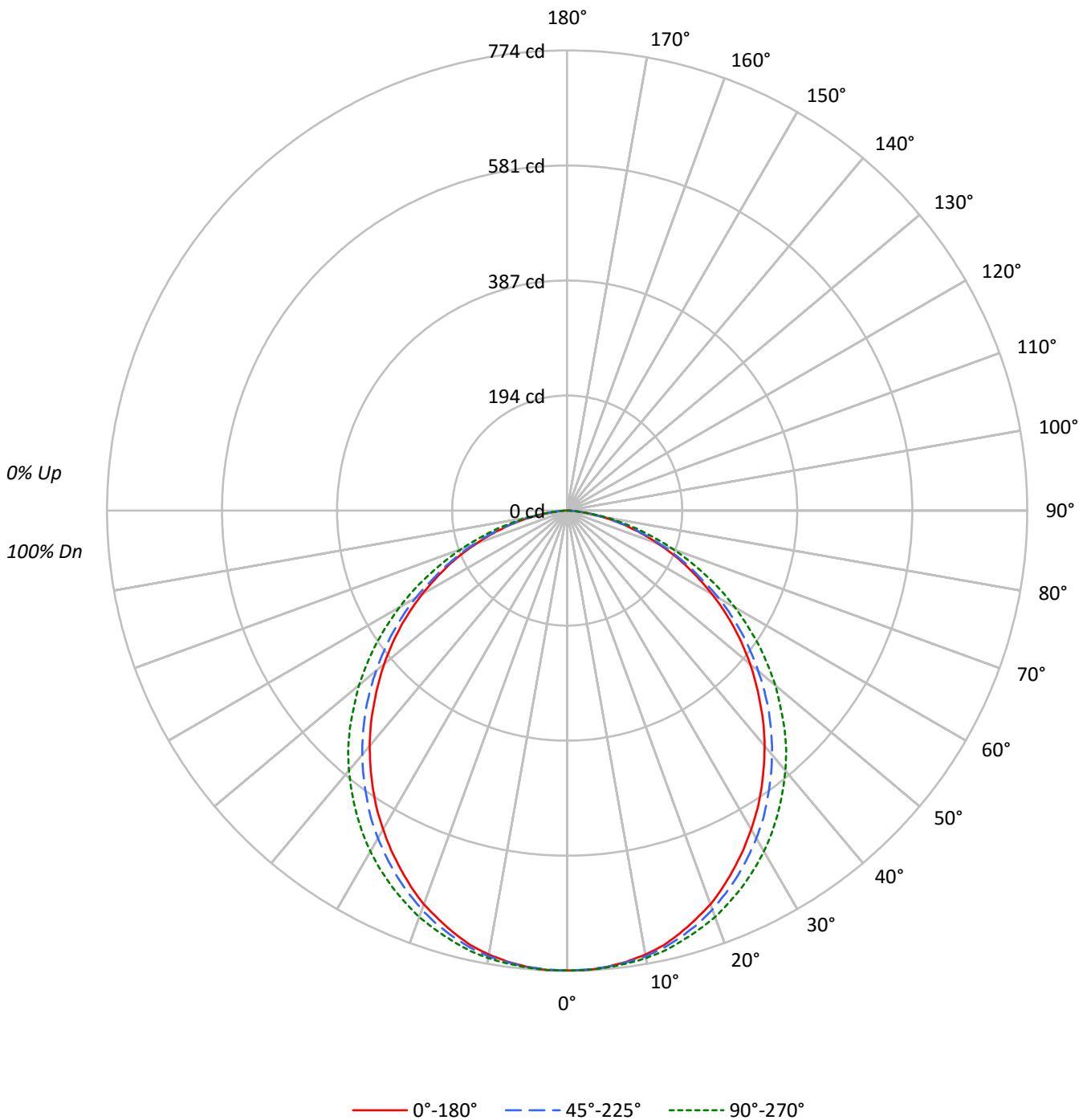
Lumens per Lamp: N/A  
Luminaire Lumens: 2041.9 lumens  
Efficiency: N/A  
Efficacy: 125.3 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.3  
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



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2081	2081	2081
5°	2081	2081	2084
10°	2072	2080	2088
15°	2049	2067	2086
20°	2019	2045	2083
25°	1972	2014	2072
30°	1923	1977	2057
35°	1872	1933	2033
40°	1815	1883	2005
45°	1748	1826	1966
50°	1683	1756	1914
55°	1608	1680	1843
60°	1520	1586	1751
65°	1414	1459	1635
70°	1280	1328	1497
75°	1117	1159	1308
80°	903	919	1031
85°	537	599	506



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.2	3.6
10°-20°	209.3	10.2
20°-30°	313.1	15.3
30°-40°	369.9	18.1
40°-50°	373.2	18.3
50°-60°	324.1	15.9
60°-70°	232.4	11.4
70°-80°	121.1	5.9
80°-90°	25.6	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	595.6	29.2
0°-40°	965.5	47.3
0°-60°	1662.8	81.4
0°-90°	2041.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2041.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	774	774	774	774	774	
5°	770	769	770	770	772	73
15°	736	737	742	747	749	207
25°	664	668	678	692	698	306
35°	570	574	588	610	619	356
45°	459	464	480	504	517	355
55°	343	346	358	382	393	306
65°	222	221	229	247	257	220
75°	107	106	112	120	126	115
85°	17	19	19	17	16	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	773.5	773.5	773.5	773.5	773.5
2.5°	773.5	772.5	772.5	772.5	773.5
5°	770.4	769.4	770.4	770.4	771.5
7.5°	765.3	764.3	766.3	767.4	768.4
10°	758.2	758.2	761.2	763.3	764.3
12.5°	748.9	748.9	753.0	756.1	758.2
15°	735.6	736.7	741.8	746.9	748.9
17.5°	720.3	723.4	729.5	736.7	738.7
20°	704.9	707.0	714.2	723.4	727.5
22.5°	685.5	688.6	696.8	709.0	713.1
25°	664.0	668.1	678.3	691.6	697.8
27.5°	642.5	645.6	657.9	673.2	680.4
30°	619.0	623.1	636.4	653.8	662.0
32.5°	595.5	598.5	613.9	632.3	641.5
35°	569.9	574.0	588.3	609.8	619.0
37.5°	543.3	548.4	562.7	585.2	595.5
40°	516.7	519.8	536.1	558.6	570.9
42.5°	489.1	493.2	508.5	533.1	545.3
45°	459.4	464.5	479.9	504.4	516.7
47.5°	430.7	435.9	450.2	474.7	486.0
50°	402.1	405.2	419.5	444.0	457.3
52.5°	372.4	375.5	388.8	412.3	424.6
55°	342.8	345.8	358.1	381.6	392.9
57.5°	312.1	314.1	326.4	347.9	359.1
60°	282.4	283.4	294.7	314.1	325.4
62.5°	250.7	251.7	259.9	282.4	292.6
65°	222.0	221.0	229.2	246.6	256.8
67.5°	192.4	192.4	199.5	214.9	223.0
70°	162.7	162.7	168.8	182.1	190.3
72.5°	135.1	135.1	140.2	150.4	156.5
75°	107.4	106.4	111.5	119.7	125.8
77.5°	81.9	81.9	83.9	91.1	95.2
80°	58.3	58.3	59.3	63.4	66.5
82.5°	36.8	36.8	36.8	38.9	39.9
85°	17.4	19.4	19.4	17.4	16.4
87.5°	8.2	8.2	7.2	7.2	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)