

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: P383775

Luminaire Tested: **22ID-20-L835-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383775  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22ID-20-L835-CFR1  
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

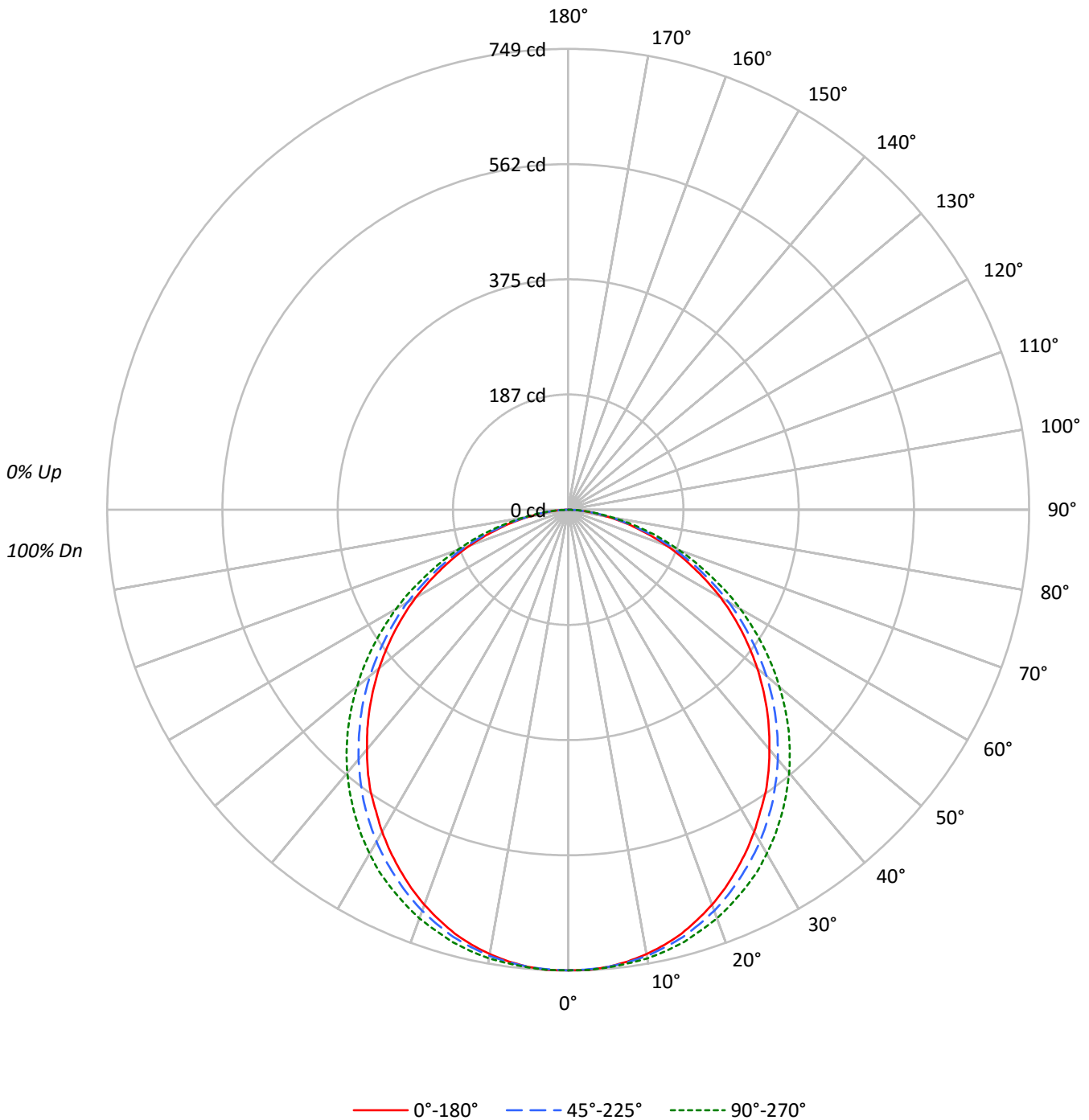
Lumens per Lamp: N/A  
Luminaire Lumens: 2033.7 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

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

	0°	45°	90°
0°	2015	2015	2015
5°	2015	2015	2017
10°	2004	2012	2024
15°	1986	2004	2026
20°	1957	1986	2024
25°	1920	1962	2017
30°	1879	1936	2006
35°	1838	1902	1986
40°	1786	1861	1962
45°	1737	1814	1927
50°	1679	1760	1876
55°	1612	1694	1814
60°	1541	1624	1740
65°	1440	1524	1628
70°	1336	1408	1505
75°	1192	1255	1361
80°	998	1046	1142
85°	760	760	852



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.9	3.5
10°-20°	202.8	10.0
20°-30°	304.9	15.0
30°-40°	362.7	17.8
40°-50°	369.1	18.1
50°-60°	324.8	16.0
60°-70°	238.3	11.7
70°-80°	129.3	6.4
80°-90°	30.9	1.5
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°	578.6	28.4
0°-40°	941.3	46.3
0°-60°	1635.2	80.4
0°-90°	2033.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2033.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	749	749	749	749	749	
5°	746	745	746	746	747	71
15°	713	714	719	723	727	201
25°	646	651	661	672	679	298
35°	560	564	579	596	605	349
45°	456	460	477	497	506	352
55°	344	349	361	378	387	307
65°	226	230	239	250	256	225
75°	115	117	121	127	131	122
85°	25	25	25	27	28	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	748.8	748.8	748.8	748.8	748.8
2.5°	748.8	747.8	747.8	747.8	748.8
5°	745.8	744.7	745.8	745.8	746.8
7.5°	740.6	739.6	741.7	742.7	743.7
10°	733.5	733.5	736.5	738.6	740.6
12.5°	724.3	725.3	728.4	731.4	734.5
15°	713.0	714.0	719.2	723.3	727.3
17.5°	698.7	700.7	706.9	713.0	717.1
20°	683.4	686.4	693.6	701.8	706.9
22.5°	666.0	670.1	678.2	688.5	693.6
25°	646.5	650.6	660.8	672.1	679.3
27.5°	626.1	631.2	642.4	655.7	663.9
30°	604.6	609.7	623.0	637.3	645.5
32.5°	581.1	587.2	601.5	617.9	626.1
35°	559.6	563.7	579.0	596.4	604.6
37.5°	535.0	540.1	554.5	572.9	582.1
40°	508.4	513.5	529.9	548.3	558.5
42.5°	482.8	486.9	503.3	523.8	533.0
45°	456.3	460.3	476.7	497.2	506.4
47.5°	428.6	433.7	449.1	468.5	477.7
50°	401.0	405.1	420.4	438.9	448.1
52.5°	372.4	376.5	390.8	409.2	418.4
55°	343.7	348.8	361.1	378.5	386.7
57.5°	315.1	320.2	331.4	347.8	355.0
60°	286.4	290.5	301.8	316.1	323.3
62.5°	255.7	258.8	270.1	284.4	290.5
65°	226.1	230.2	239.4	249.6	255.7
67.5°	198.5	200.5	208.7	219.9	224.0
70°	169.8	171.9	179.0	188.2	191.3
72.5°	141.2	144.2	149.4	157.5	161.6
75°	114.6	116.6	120.7	126.9	130.9
77.5°	89.0	90.0	93.1	98.2	101.3
80°	64.4	65.5	67.5	71.6	73.7
82.5°	43.0	44.0	45.0	47.1	49.1
85°	24.6	24.6	24.6	26.6	27.6
87.5°	9.2	8.2	8.2	8.2	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)