

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: P383776

Luminaire Tested: **22ID-20-L840-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383776  
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-L840-CFR1  
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

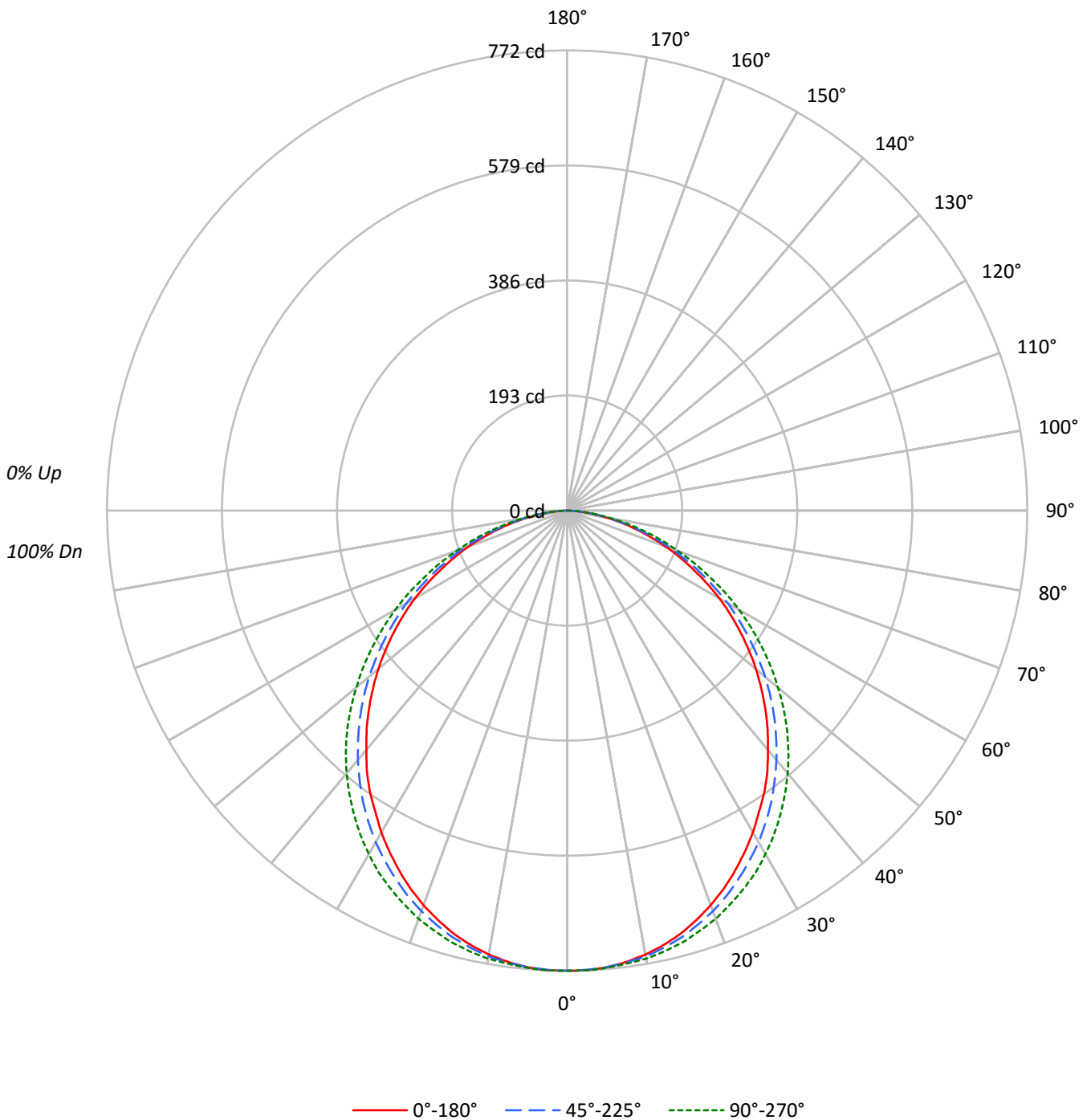
Lumens per Lamp: N/A  
Luminaire Lumens: 2096.6 lumens  
Efficiency: N/A  
Efficacy: 128.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

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°	2077	2077	2077
5°	2077	2077	2080
10°	2066	2075	2086
15°	2048	2065	2089
20°	2017	2048	2087
25°	1979	2023	2079
30°	1937	1996	2068
35°	1895	1961	2048
40°	1841	1919	2023
45°	1790	1870	1987
50°	1731	1815	1934
55°	1663	1747	1870
60°	1589	1674	1794
65°	1484	1571	1679
70°	1378	1452	1552
75°	1228	1293	1404
80°	1029	1079	1176
85°	781	781	880



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.1	3.5
10°-20°	209.1	10.0
20°-30°	314.4	15.0
30°-40°	374.0	17.8
40°-50°	380.5	18.1
50°-60°	334.9	16.0
60°-70°	245.6	11.7
70°-80°	133.3	6.4
80°-90°	31.8	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°	596.5	28.5
0°-40°	970.4	46.3
0°-60°	1685.8	80.4
0°-90°	2096.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2096.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	772	772	772	772	772	
5°	769	768	769	769	770	73
15°	735	736	741	746	750	207
25°	666	671	681	693	700	307
35°	577	581	597	615	623	360
45°	470	475	492	512	522	363
55°	354	360	372	390	399	317
65°	233	237	247	257	264	232
75°	118	120	124	131	135	126
85°	25	25	25	27	28	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	772.0	772.0	772.0	772.0	772.0
2.5°	772.0	770.9	770.9	770.9	772.0
5°	768.8	767.8	768.8	768.8	769.9
7.5°	763.5	762.5	764.6	765.7	766.7
10°	756.2	756.2	759.3	761.4	763.5
12.5°	746.7	747.7	750.9	754.1	757.2
15°	735.1	736.1	741.4	745.6	749.8
17.5°	720.3	722.4	728.7	735.1	739.3
20°	704.5	707.7	715.0	723.5	728.7
22.5°	686.6	690.8	699.2	709.8	715.0
25°	666.5	670.7	681.3	692.9	700.3
27.5°	645.4	650.7	662.3	676.0	684.5
30°	623.3	628.6	642.3	657.0	665.5
32.5°	599.0	605.4	620.1	637.0	645.4
35°	576.9	581.1	596.9	614.8	623.3
37.5°	551.6	556.8	571.6	590.6	600.1
40°	524.1	529.4	546.3	565.3	575.8
42.5°	497.8	502.0	518.9	540.0	549.5
45°	470.4	474.6	491.5	512.5	522.0
47.5°	441.9	447.2	463.0	483.0	492.5
50°	413.4	417.6	433.5	452.4	461.9
52.5°	383.9	388.1	402.9	421.8	431.3
55°	354.4	359.6	372.3	390.2	398.6
57.5°	324.8	330.1	341.7	358.6	366.0
60°	295.3	299.5	311.1	325.9	333.3
62.5°	263.7	266.8	278.4	293.2	299.5
65°	233.1	237.3	246.8	257.3	263.7
67.5°	204.6	206.7	215.1	226.7	231.0
70°	175.1	177.2	184.6	194.1	197.2
72.5°	145.5	148.7	154.0	162.4	166.6
75°	118.1	120.2	124.4	130.8	135.0
77.5°	91.8	92.8	96.0	101.2	104.4
80°	66.4	67.5	69.6	73.8	75.9
82.5°	44.3	45.3	46.4	48.5	50.6
85°	25.3	25.3	25.3	27.4	28.5
87.5°	9.5	8.4	8.4	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)