

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: P737952

Luminaire Tested: **14PT-70-PL1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737952
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PL1-L835
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

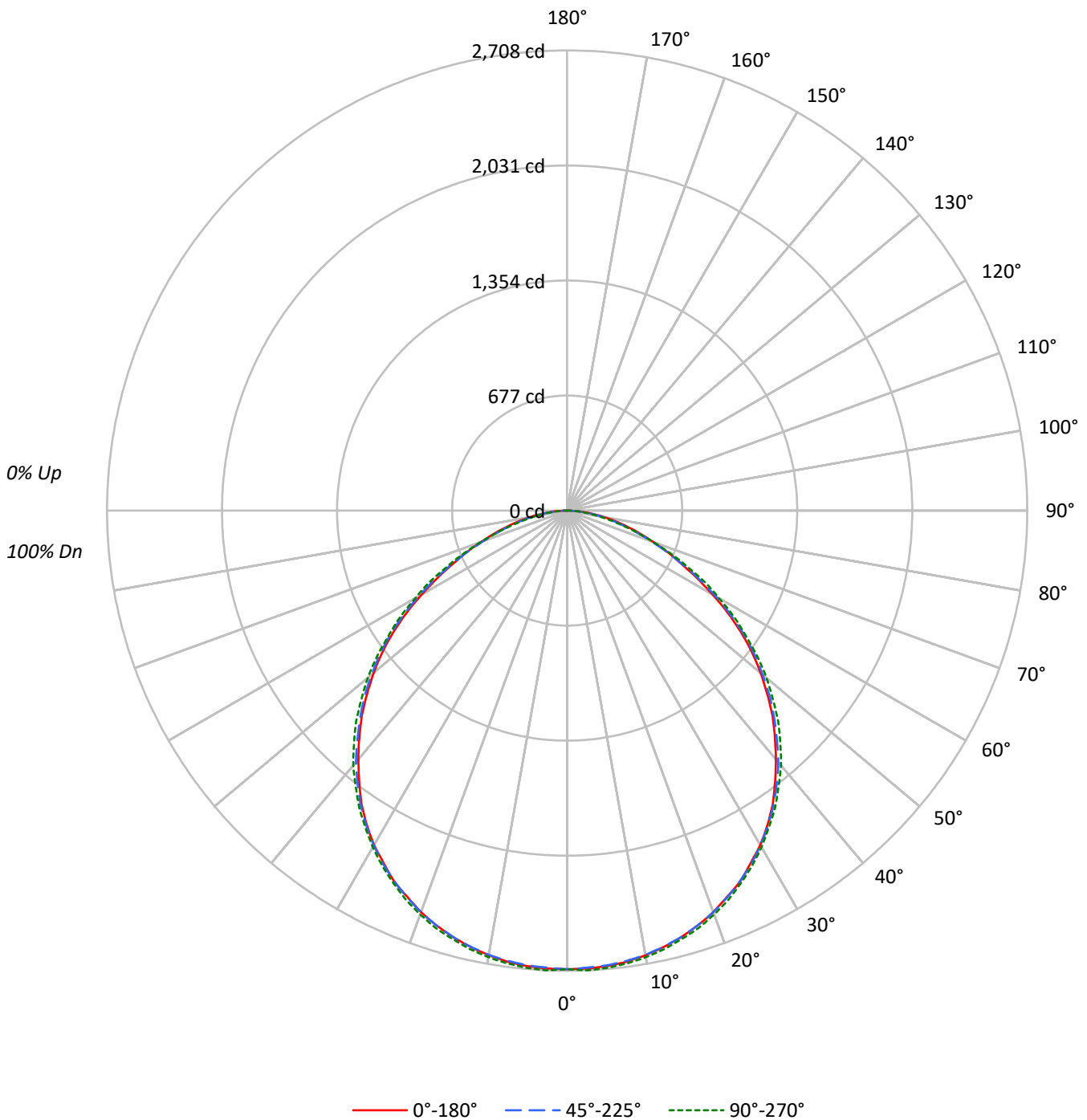
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7115.0 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 62.7
Input Voltage (V): NR
Input Current (A_{in}): 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: P737952
CATALOG NUMBER: 14PT-70-PL1-L835

Luminous Intensity Polar Plot





TEST NUMBER: P737952

CATALOG NUMBER: 14PT-70-PL1-L835

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	103	99	96	98	95	93		94	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8092	8092	8092
5°	8099	8084	8129
10°	8089	8080	8126
15°	8064	8061	8101
20°	8024	8024	8069
25°	7969	7959	8002
30°	7869	7880	7918
35°	7719	7749	7811
40°	7479	7566	7663
45°	7246	7306	7446
50°	6927	7001	7141
55°	6523	6628	6706
60°	5918	6044	6194
65°	5257	5313	5526
70°	4698	4602	4716
75°	4240	3996	3915
80°	3850	3574	3177
85°	3268	2958	2546



TEST NUMBER: P737952

CATALOG NUMBER: 14PT-70-PL1-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.0	3.6
10°-20°	734.4	10.3
20°-30°	1110.8	15.6
30°-40°	1324.0	18.6
40°-50°	1331.4	18.7
50°-60°	1129.9	15.9
60°-70°	752.3	10.6
70°-80°	375.7	5.3
80°-90°	100.5	1.4
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°	2101.2	29.5
0°-40°	3425.2	48.1
0°-60°	5886.5	82.7
0°-90°	7115.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7115.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2699	2699	2699	2699	2699	
5°	2691	2692	2686	2698	2701	256
15°	2598	2601	2597	2608	2610	733
25°	2409	2409	2406	2417	2419	1108
35°	2109	2111	2117	2132	2134	1316
45°	1709	1712	1723	1746	1756	1315
55°	1248	1257	1268	1280	1283	1112
65°	741	747	749	760	779	743
75°	366	361	345	337	338	393
85°	95	93	86	81	74	110
90°	0	0	0	0	0	



TEST NUMBER: P737952

CATALOG NUMBER: 14PT-70-PL1-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2699.1	2699.1	2699.1	2699.1	2699.1
2.5°	2697.1	2699.1	2692.1	2705.1	2708.1
5°	2691.1	2692.1	2686.1	2698.1	2701.1
7.5°	2678.1	2679.1	2673.1	2686.1	2688.1
10°	2657.1	2659.1	2654.1	2666.1	2669.1
12.5°	2630.1	2633.1	2628.1	2641.1	2643.1
15°	2598.1	2601.1	2597.1	2608.1	2610.1
17.5°	2559.1	2561.1	2559.1	2569.1	2575.1
20°	2515.1	2515.1	2515.1	2524.1	2529.1
22.5°	2460.1	2465.1	2463.1	2475.1	2480.1
25°	2409.1	2409.1	2406.1	2417.1	2419.1
27.5°	2338.1	2346.1	2345.1	2355.1	2357.1
30°	2273.1	2275.1	2276.1	2283.1	2287.1
32.5°	2194.1	2196.1	2199.1	2209.1	2210.1
35°	2109.1	2111.1	2117.1	2132.1	2134.1
37.5°	2010.1	2021.1	2026.1	2042.1	2044.1
40°	1911.1	1918.1	1933.1	1950.1	1958.1
42.5°	1810.1	1818.1	1827.1	1850.1	1857.1
45°	1709.1	1712.1	1723.1	1746.1	1756.1
47.5°	1597.1	1606.1	1616.1	1636.1	1642.1
50°	1485.1	1495.1	1501.1	1519.1	1531.1
52.5°	1372.1	1381.1	1388.1	1399.1	1411.1
55°	1248.0	1257.0	1268.0	1280.0	1283.0
57.5°	1122.0	1132.0	1139.0	1152.0	1165.0
60°	987.0	998.0	1008.0	1020.0	1033.0
62.5°	861.0	866.0	876.0	896.0	915.0
65°	741.0	747.0	749.0	760.0	779.0
67.5°	641.0	641.0	632.0	636.0	657.0
70°	536.0	532.0	525.0	521.0	538.0
72.5°	451.0	446.0	431.0	424.0	433.0
75°	366.0	361.0	345.0	337.0	338.0
77.5°	294.0	286.0	273.0	259.0	256.0
80°	223.0	220.0	207.0	194.0	184.0
82.5°	158.0	151.0	144.0	136.0	128.0
85°	95.0	93.0	86.0	81.0	74.0
87.5°	39.0	39.0	37.0	35.0	33.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)