

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: P737960

Luminaire Tested: **14PT-70-PP3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PP3-L835
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

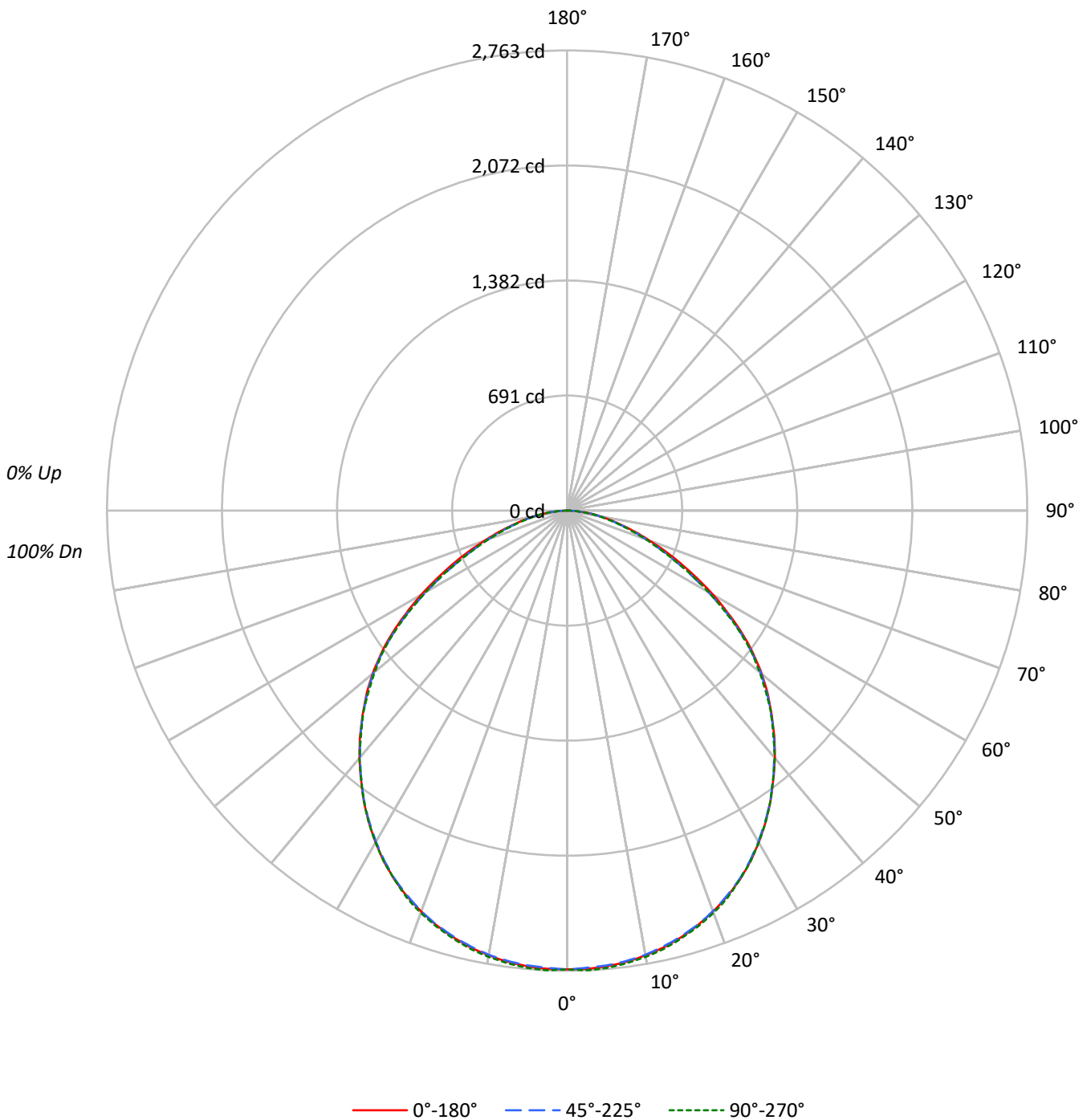
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7118.0 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
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: P737960
CATALOG NUMBER: 14PT-70-PP3-L835

Luminous Intensity Polar Plot





TEST NUMBER: P737960

CATALOG NUMBER: 14PT-70-PP3-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	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49		60	54	49		58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38		50	43	38		48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28		39	33	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8259	8259	8259
5°	8267	8249	8294
10°	8256	8243	8283
15°	8228	8212	8249
20°	8173	8167	8202
25°	8101	8087	8097
30°	7965	7948	7965
35°	7792	7781	7788
40°	7592	7569	7588
45°	7364	7343	7352
50°	7117	7084	7033
55°	6700	6622	6601
60°	6079	5876	5888
65°	5341	5072	5065
70°	4620	4409	4357
75°	3996	3846	3765
80°	3539	3488	3332
85°	2924	3027	2855



TEST NUMBER: P737960

CATALOG NUMBER: 14PT-70-PP3-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.3	3.7
10°-20°	748.5	10.5
20°-30°	1126.8	15.8
30°-40°	1330.0	18.7
40°-50°	1337.6	18.8
50°-60°	1129.1	15.9
60°-70°	725.2	10.2
70°-80°	360.7	5.1
80°-90°	98.8	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°	2136.5	30.0
0°-40°	3466.5	48.7
0°-60°	5933.2	83.4
0°-90°	7118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7118.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2755	2755	2755	2755	2755	
5°	2747	2748	2741	2754	2756	261
15°	2651	2652	2646	2658	2658	748
25°	2449	2450	2445	2450	2448	1127
35°	2129	2130	2126	2128	2128	1330
45°	1737	1743	1732	1734	1734	1340
55°	1282	1281	1267	1262	1263	1140
65°	753	742	715	708	714	751
75°	345	343	332	329	325	373
85°	85	88	88	83	83	100
90°	0	0	0	0	0	



TEST NUMBER: P737960

CATALOG NUMBER: 14PT-70-PP3-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2754.8	2754.8	2754.8	2754.8	2754.8
2.5°	2753.8	2754.8	2747.8	2760.8	2762.8
5°	2746.8	2747.8	2740.8	2753.8	2755.8
7.5°	2732.8	2733.8	2727.8	2739.8	2741.8
10°	2711.8	2714.8	2707.8	2718.8	2720.8
12.5°	2685.8	2686.8	2679.8	2692.8	2694.8
15°	2650.8	2651.8	2645.8	2657.8	2657.8
17.5°	2610.8	2611.8	2607.8	2617.8	2616.8
20°	2561.8	2564.8	2559.8	2566.8	2570.8
22.5°	2508.8	2509.8	2503.8	2512.8	2516.8
25°	2448.8	2449.8	2444.8	2449.8	2447.8
27.5°	2378.8	2380.8	2373.8	2378.8	2379.8
30°	2300.8	2305.8	2295.8	2299.8	2300.8
32.5°	2216.9	2219.9	2212.9	2213.9	2218.9
35°	2128.9	2129.9	2125.9	2127.9	2127.9
37.5°	2033.9	2037.9	2031.9	2034.9	2030.9
40°	1939.9	1935.9	1933.9	1935.9	1938.9
42.5°	1840.9	1841.9	1838.9	1836.9	1831.9
45°	1736.9	1742.9	1731.9	1733.9	1733.9
47.5°	1634.9	1635.9	1629.9	1623.9	1619.9
50°	1525.9	1525.9	1518.9	1513.9	1507.9
52.5°	1406.9	1404.9	1396.9	1391.9	1394.9
55°	1281.9	1280.9	1266.9	1261.9	1262.9
57.5°	1144.9	1146.9	1125.9	1120.9	1120.9
60°	1013.9	1003.9	979.9	972.9	981.9
62.5°	876.9	864.9	838.9	838.9	845.9
65°	752.9	742.0	715.0	708.0	714.0
67.5°	637.0	627.0	602.0	598.0	600.0
70°	527.0	518.0	503.0	494.0	497.0
72.5°	432.0	424.0	414.0	407.0	403.0
75°	345.0	343.0	332.0	329.0	325.0
77.5°	273.0	272.0	263.0	259.0	255.0
80°	205.0	204.0	202.0	196.0	193.0
82.5°	146.0	146.0	145.0	140.0	137.0
85°	85.0	88.0	88.0	83.0	83.0
87.5°	34.0	36.0	34.0	34.0	33.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)