

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1050225

Luminaire Tested: PTR-14-70-PL1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050225
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-PL1-L835-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

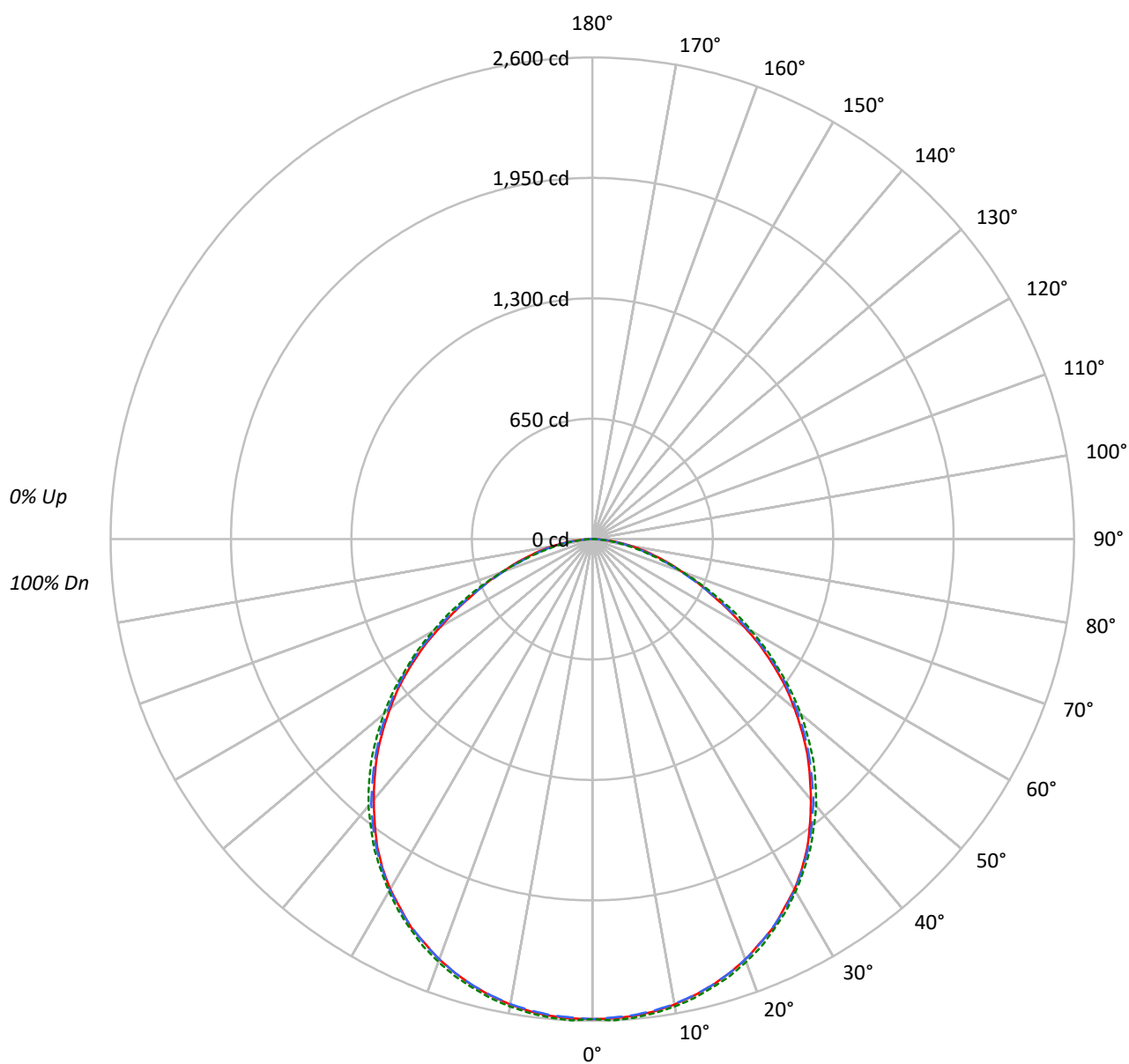
Lumens per Lamp: N/A
Luminaire Lumens: 6830.4 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6973	6973	6973
5°	6979	6966	7004
10°	6970	6962	7001
15°	6949	6946	6981
20°	6914	6914	6953
25°	6867	6858	6895
30°	6780	6790	6822
35°	6651	6677	6730
40°	6445	6519	6603
45°	6243	6295	6416
50°	5969	6033	6153
55°	5622	5712	5779
60°	5099	5208	5338
65°	4529	4578	4762
70°	4049	3966	4065
75°	3653	3442	3373
80°	3319	3081	2735
85°	2810	2553	2198

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6416 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.8	3.6
10°-20°	705.0	10.3
20°-30°	1066.4	15.6
30°-40°	1271.1	18.6
40°-50°	1278.1	18.7
50°-60°	1084.8	15.9
60°-70°	722.3	10.6
70°-80°	360.6	5.3
80°-90°	96.5	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°	2017.1	29.5
0°-40°	3288.2	48.1
0°-60°	5651.1	82.7
0°-90°	6830.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6830.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2591	2591	2591	2591	2591	
5°	2584	2584	2579	2590	2593	246
15°	2494	2497	2493	2504	2506	704
25°	2313	2313	2310	2320	2322	1063
35°	2025	2027	2032	2047	2049	1263
45°	1641	1643	1654	1676	1686	1262
55°	1198	1207	1218	1229	1232	1068
65°	711	717	719	730	748	713
75°	351	346	331	323	324	377
85°	91	89	83	78	71	105
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2591.2	2591.2	2591.2	2591.2	2591.2
2.5°	2589.2	2591.2	2584.3	2596.8	2600.0
5°	2583.6	2584.3	2578.7	2590.2	2593.0
7.5°	2571.0	2572.1	2566.1	2578.7	2580.4
10°	2550.8	2552.9	2548.0	2559.5	2562.3
12.5°	2525.0	2527.8	2522.9	2535.4	2537.5
15°	2494.3	2497.1	2493.2	2503.7	2505.8
17.5°	2456.6	2458.7	2456.6	2466.4	2471.9
20°	2414.4	2414.4	2414.4	2423.1	2428.0
22.5°	2361.7	2366.6	2364.5	2376.0	2380.9
25°	2312.9	2312.9	2309.7	2320.5	2322.3
27.5°	2244.5	2252.2	2251.5	2260.9	2263.0
30°	2182.0	2184.1	2185.2	2191.8	2195.6
32.5°	2106.3	2108.1	2111.2	2120.6	2121.7
35°	2024.7	2026.8	2032.4	2046.7	2048.8
37.5°	1929.8	1940.3	1945.2	1960.5	1962.3
40°	1834.6	1841.2	1855.9	1871.9	1879.6
42.5°	1737.6	1745.3	1754.0	1776.0	1783.0
45°	1640.6	1643.4	1654.2	1676.2	1686.0
47.5°	1533.2	1541.9	1551.3	1570.5	1576.4
50°	1425.7	1435.2	1441.1	1458.2	1469.7
52.5°	1317.3	1326.0	1332.6	1343.1	1354.6
55°	1198.3	1206.7	1217.5	1229.0	1231.8
57.5°	1077.2	1086.7	1093.6	1105.8	1118.4
60°	947.5	958.3	967.7	979.2	991.8
62.5°	826.8	831.3	841.1	860.3	878.4
65°	711.3	717.2	719.0	729.8	747.9
67.5°	615.4	615.4	606.6	610.5	630.7
70°	514.6	510.7	504.1	500.2	516.6
72.5°	432.9	428.0	413.7	407.1	415.8
75°	351.3	346.4	331.1	323.4	324.4
77.5°	282.2	274.5	262.0	248.7	245.9
80°	214.2	211.1	198.8	186.3	176.5
82.5°	151.7	145.1	138.1	130.5	122.8
85°	91.0	89.3	82.7	77.8	71.2
87.5°	37.3	37.3	35.6	33.5	31.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)