

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: P1050442

Luminaire Tested: PTR-14-80-PW1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050442
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PW1-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

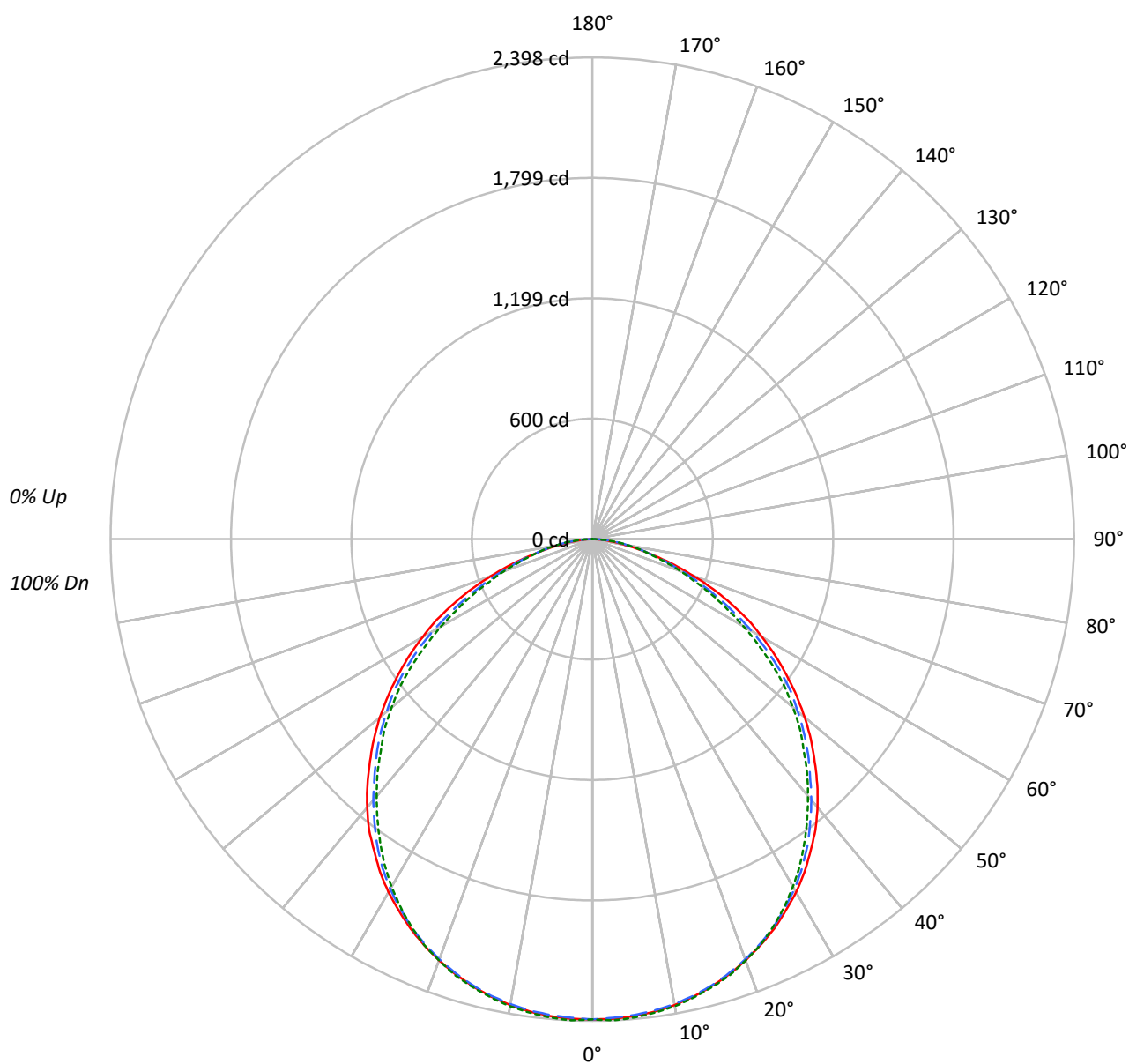
Lumens per Lamp: N/A
Luminaire Lumens: 6344.7 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6434	6434	6434
5°	6439	6425	6458
10°	6436	6422	6454
15°	6416	6407	6431
20°	6390	6375	6390
25°	6355	6328	6323
30°	6307	6252	6207
35°	6222	6128	6050
40°	6127	5959	5865
45°	5957	5781	5664
50°	5777	5588	5459
55°	5537	5349	5136
60°	5250	4939	4681
65°	4856	4411	4192
70°	4209	3840	3696
75°	3360	3287	3196
80°	2554	2853	2853
85°	1890	2436	2436

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5957 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.7	3.6
10°-20°	650.3	10.2
20°-30°	982.8	15.5
30°-40°	1167.0	18.4
40°-50°	1175.8	18.5
50°-60°	1016.3	16.0
60°-70°	694.6	10.9
70°-80°	342.5	5.4
80°-90°	88.6	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°	1859.9	29.3
0°-40°	3026.9	47.7
0°-60°	5219.0	82.3
0°-90°	6344.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6344.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2391	2391	2391	2391	2391	
5°	2384	2385	2378	2388	2391	227
15°	2303	2306	2300	2308	2308	650
25°	2140	2138	2131	2133	2130	986
35°	1894	1888	1865	1849	1842	1186
45°	1565	1548	1519	1501	1488	1208
55°	1180	1177	1140	1106	1095	1055
65°	763	735	693	662	658	753
75°	323	321	316	316	307	352
85°	61	72	79	80	79	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2390.8	2390.8	2390.8	2390.8	2390.8
2.5°	2390.1	2390.8	2384.7	2395.3	2397.8
5°	2383.7	2384.7	2378.5	2388.2	2390.8
7.5°	2372.4	2374.0	2366.9	2376.6	2378.5
10°	2355.4	2356.3	2350.2	2359.9	2361.8
12.5°	2332.5	2333.1	2328.0	2336.7	2336.7
15°	2303.2	2305.8	2299.7	2307.7	2308.4
17.5°	2270.4	2271.3	2265.2	2273.9	2275.8
20°	2231.4	2231.4	2226.3	2233.4	2231.4
22.5°	2188.0	2188.0	2181.9	2185.4	2187.0
25°	2140.3	2138.4	2131.3	2133.2	2129.7
27.5°	2085.3	2085.3	2072.7	2072.7	2066.6
30°	2029.6	2025.1	2011.9	2003.8	1997.7
32.5°	1965.5	1959.4	1942.7	1928.5	1924.0
35°	1894.1	1887.6	1865.4	1848.7	1841.6
37.5°	1824.9	1810.7	1781.4	1764.7	1756.6
40°	1744.1	1726.4	1696.4	1673.2	1669.7
42.5°	1657.5	1643.3	1604.4	1587.3	1583.1
45°	1565.4	1548.3	1519.1	1501.4	1488.2
47.5°	1475.0	1462.4	1428.9	1407.7	1403.2
50°	1380.0	1369.4	1334.9	1312.1	1304.0
52.5°	1281.8	1274.7	1245.4	1216.1	1206.5
55°	1180.1	1176.6	1140.2	1106.4	1094.8
57.5°	1080.0	1075.5	1030.1	991.1	980.5
60°	975.4	962.2	917.7	881.4	869.8
62.5°	876.2	847.9	799.9	771.6	758.4
65°	762.6	735.2	692.7	662.5	658.3
67.5°	651.2	618.4	585.5	566.9	552.7
70°	535.0	512.8	488.0	472.2	469.7
72.5°	426.8	411.1	398.5	388.9	380.8
75°	323.2	320.6	316.1	316.1	307.4
77.5°	237.6	243.7	247.2	246.3	248.2
80°	164.8	177.0	184.1	185.1	184.1
82.5°	104.6	118.8	130.4	132.0	133.9
85°	61.2	71.8	78.9	80.5	78.9
87.5°	27.4	34.4	36.4	38.0	36.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)