

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: P1050148

Luminaire Tested: PTR-14-80-PB1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PB1-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

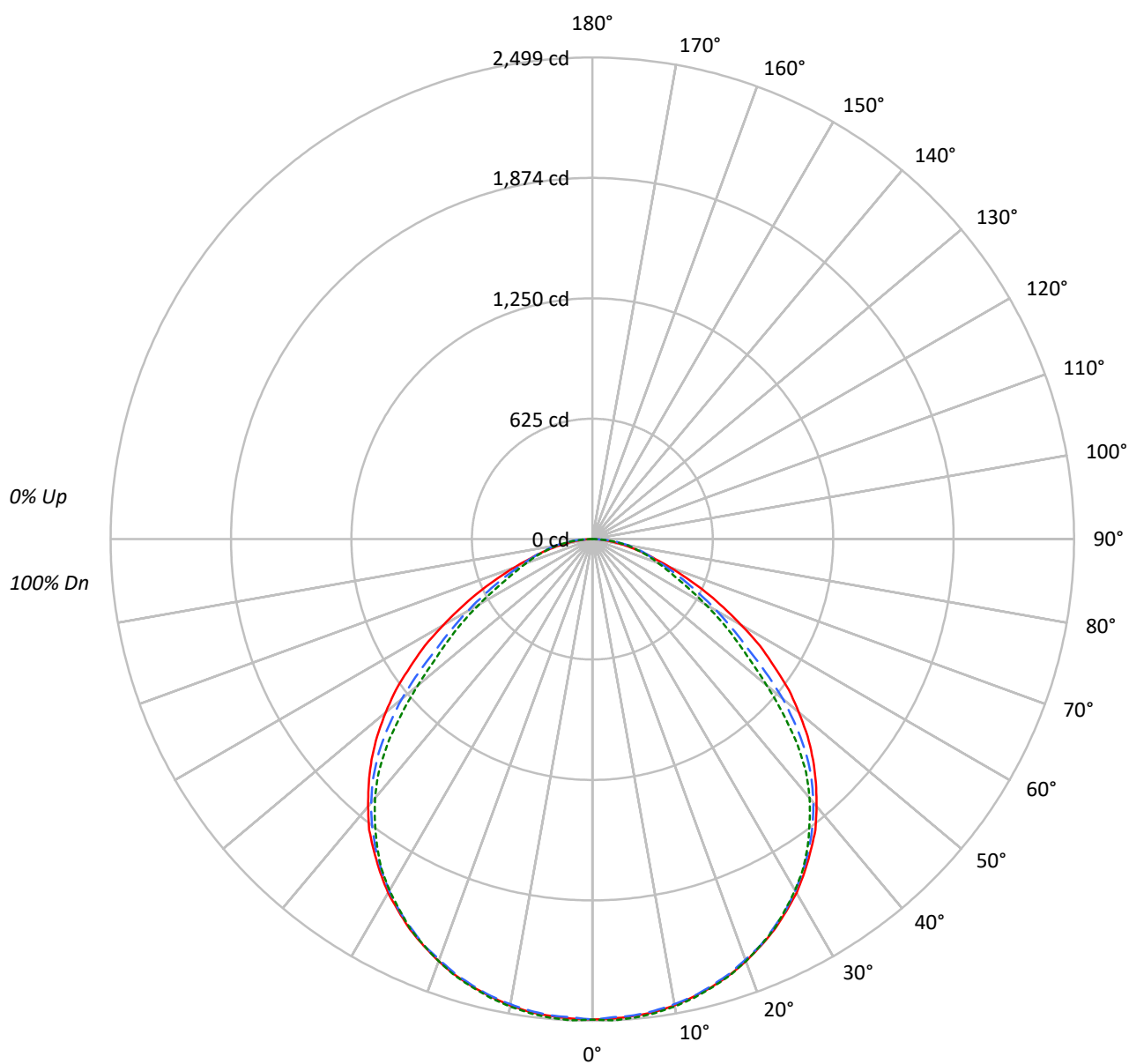
Lumens per Lamp: N/A
Luminaire Lumens: 6216.0 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6708	6708	6708
5°	6709	6701	6734
10°	6711	6695	6728
15°	6697	6680	6705
20°	6673	6647	6673
25°	6637	6609	6627
30°	6584	6545	6536
35°	6487	6437	6397
40°	6355	6269	6160
45°	6161	5962	5717
50°	5854	5404	4942
55°	5394	4590	4258
60°	4802	4011	3647
65°	4120	3477	3105
70°	3401	3065	2847
75°	2869	2932	2775
80°	2424	2992	2853
85°	1899	3032	2652

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6161 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.4	3.8
10°-20°	678.2	10.9
20°-30°	1027.4	16.5
30°-40°	1224.2	19.7
40°-50°	1197.1	19.3
50°-60°	905.5	14.6
60°-70°	556.3	8.9
70°-80°	296.4	4.8
80°-90°	94.6	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°	1942.0	31.2
0°-40°	3166.1	50.9
0°-60°	5268.7	84.8
0°-90°	6216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6216.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2493	2493	2493	2493	2493	
5°	2484	2487	2481	2490	2493	236
15°	2404	2407	2398	2407	2407	678
25°	2235	2232	2226	2229	2232	1029
35°	1975	1972	1959	1950	1947	1235
45°	1619	1610	1567	1515	1502	1245
55°	1150	1092	978	923	908	1030
65°	647	595	546	503	488	644
75°	276	279	282	273	267	296
85°	62	80	98	92	86	74
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2492.8	2492.8	2492.8	2492.8	2492.8
2.5°	2489.9	2492.8	2483.5	2496.1	2498.9
5°	2483.5	2486.7	2480.6	2489.9	2492.8
7.5°	2474.5	2474.5	2468.4	2477.4	2480.6
10°	2456.1	2456.1	2450.0	2459.0	2462.3
12.5°	2431.7	2431.7	2428.5	2434.6	2437.8
15°	2404.0	2406.9	2397.9	2406.9	2406.9
17.5°	2370.2	2367.3	2364.1	2370.2	2373.4
20°	2330.3	2330.3	2321.3	2327.4	2330.3
22.5°	2284.2	2284.2	2281.3	2284.2	2281.3
25°	2235.3	2232.1	2226.0	2229.2	2232.1
27.5°	2177.0	2177.0	2170.9	2170.9	2167.7
30°	2118.8	2115.6	2106.5	2100.4	2103.3
32.5°	2048.3	2045.1	2036.0	2029.9	2032.8
35°	1974.6	1971.7	1959.4	1950.1	1947.2
37.5°	1901.2	1891.8	1876.4	1864.2	1851.9
40°	1809.1	1799.8	1784.6	1757.0	1753.7
42.5°	1717.0	1708.0	1683.2	1649.8	1640.4
45°	1618.9	1609.8	1566.7	1514.6	1502.3
47.5°	1514.6	1499.4	1431.8	1367.5	1343.0
50°	1398.4	1370.7	1290.8	1208.1	1180.4
52.5°	1284.7	1235.8	1131.5	1057.8	1030.4
55°	1149.8	1091.6	978.3	922.9	907.5
57.5°	1030.4	950.6	858.5	803.5	791.2
60°	892.3	818.6	745.2	696.0	677.6
62.5°	766.5	702.1	640.9	597.8	576.5
65°	647.0	594.9	546.0	502.8	487.7
67.5°	530.5	502.8	462.9	429.4	420.1
70°	432.3	416.9	389.5	374.1	361.8
72.5°	343.5	349.6	331.2	325.1	315.8
75°	275.9	279.1	282.0	273.0	266.9
77.5°	208.6	223.7	236.0	229.8	223.7
80°	156.4	171.6	193.1	184.1	184.1
82.5°	107.2	125.9	144.2	138.1	134.9
85°	61.5	79.8	98.2	92.1	85.9
87.5°	24.5	39.9	42.8	42.8	39.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)