

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: P1050216

Luminaire Tested: PTR-14-60-PC3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050216
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PC3-L850-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

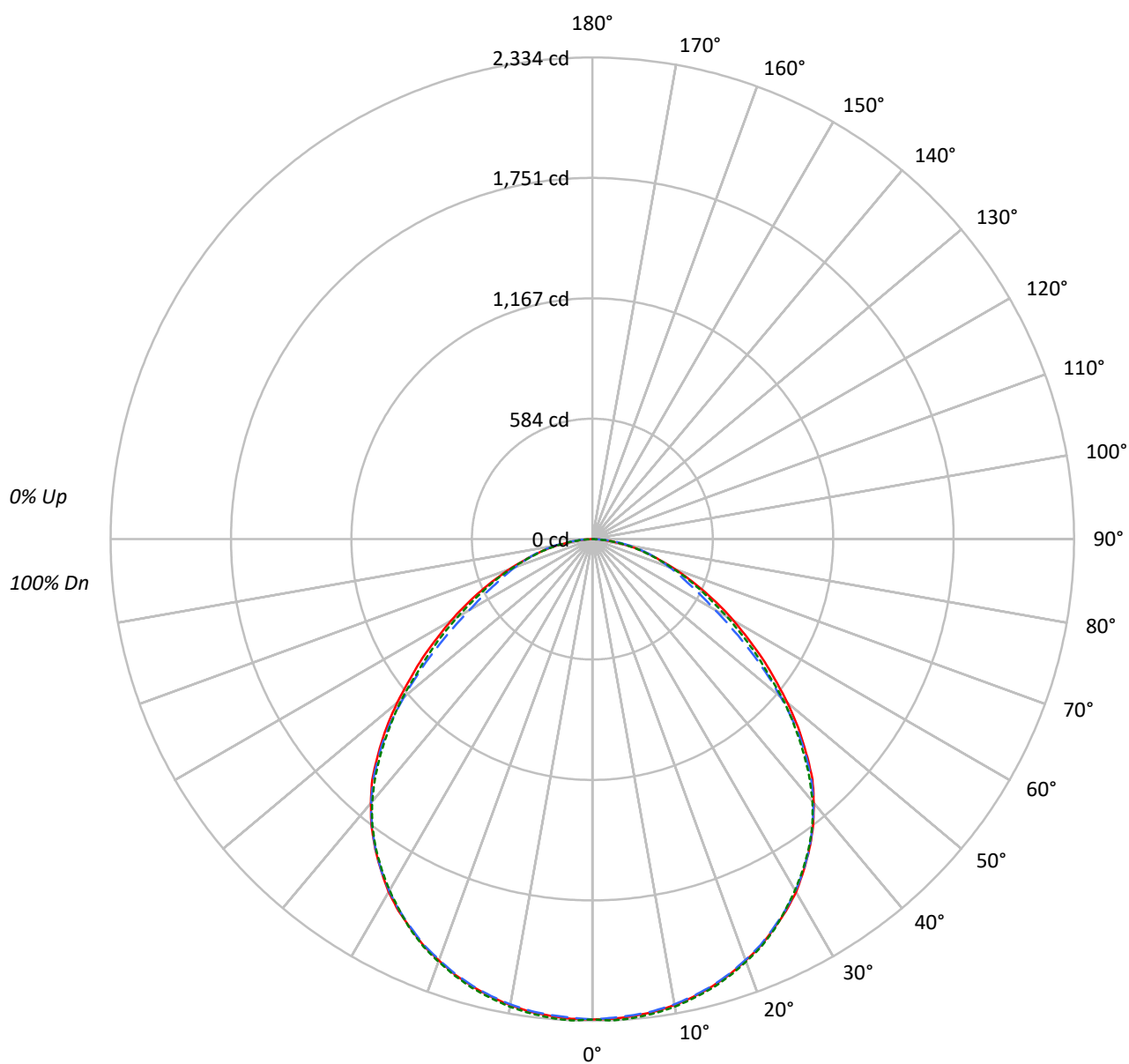
Lumens per Lamp: N/A
Luminaire Lumens: 5868.6 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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

TEST NUMBER: P1050216

CATALOG NUMBER: PTR-14-60-PC3-L850-UNV-STD-W

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	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6264	6264	6264
5°	6266	6254	6290
10°	6266	6254	6288
15°	6251	6244	6272
20°	6222	6213	6240
25°	6180	6171	6195
30°	6134	6114	6103
35°	6023	6017	6006
40°	5864	5855	5828
45°	5576	5535	5479
50°	5162	4989	5044
55°	4710	4328	4523
60°	4247	3693	4050
65°	3796	3303	3642
70°	3367	3125	3275
75°	2979	3029	2918
80°	2569	2892	2555
85°	1924	2288	1924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5589 cd/sqm

TEST NUMBER: P1050216

CATALOG NUMBER: PTR-14-60-PC3-L850-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.8	3.8
10°-20°	633.7	10.8
20°-30°	959.5	16.3
30°-40°	1143.9	19.5
40°-50°	1117.7	19.0
50°-60°	854.7	14.6
60°-70°	548.7	9.4
70°-80°	305.3	5.2
80°-90°	84.3	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°	1814.0	30.9
0°-40°	2957.9	50.4
0°-60°	4930.3	84.0
0°-90°	5868.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5868.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2328	2328	2328	2328	2328	
5°	2320	2321	2315	2326	2329	221
15°	2244	2246	2241	2249	2251	633
25°	2082	2084	2078	2085	2086	960
35°	1834	1835	1832	1831	1828	1145
45°	1465	1469	1454	1451	1440	1128
55°	1004	969	923	934	964	897
65°	596	550	519	536	572	595
75°	286	289	291	287	281	306
85°	62	73	74	72	62	77
90°	0	0	0	0	0	

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CATALOG NUMBER: PTR-14-60-PC3-L850-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2327.8	2327.8	2327.8	2327.8	2327.8
2.5°	2326.2	2327.2	2321.1	2331.1	2334.4
5°	2319.6	2321.1	2315.4	2326.2	2328.7
7.5°	2309.6	2311.1	2305.4	2316.3	2317.2
10°	2293.0	2293.9	2288.7	2299.6	2301.1
12.5°	2270.6	2273.0	2267.3	2277.2	2277.8
15°	2243.7	2245.5	2241.2	2248.8	2251.2
17.5°	2212.2	2213.1	2208.9	2217.0	2217.9
20°	2172.9	2172.9	2169.5	2178.9	2178.9
22.5°	2132.9	2130.5	2129.6	2132.9	2138.1
25°	2081.5	2083.9	2078.2	2084.8	2086.4
27.5°	2031.6	2031.6	2026.5	2029.8	2025.6
30°	1974.1	1970.8	1967.5	1968.1	1964.2
32.5°	1904.9	1904.9	1903.3	1903.3	1898.2
35°	1833.5	1835.0	1831.7	1830.7	1828.3
37.5°	1756.6	1759.4	1753.3	1751.8	1750.0
40°	1669.2	1669.2	1666.8	1663.5	1659.2
42.5°	1578.5	1578.5	1567.9	1559.4	1553.7
45°	1465.3	1468.7	1454.4	1451.1	1439.6
47.5°	1352.8	1350.4	1331.3	1328.9	1322.2
50°	1233.0	1218.8	1191.6	1198.8	1204.9
52.5°	1113.2	1095.7	1055.7	1063.9	1073.9
55°	1004.0	969.2	922.6	934.1	964.1
57.5°	890.0	843.4	796.8	818.6	855.8
60°	789.2	736.9	686.1	709.4	752.6
62.5°	692.7	637.1	596.2	618.6	655.2
65°	596.2	550.3	518.8	536.0	572.0
67.5°	507.9	477.0	455.6	463.7	492.8
70°	428.0	408.7	397.2	399.6	416.2
72.5°	352.1	347.3	343.0	343.0	344.6
75°	286.5	288.9	291.3	287.4	280.7
77.5°	225.7	233.8	239.9	231.4	223.2
80°	165.8	179.1	186.6	177.3	164.9
82.5°	113.1	128.3	130.7	124.9	110.7
85°	62.3	73.2	74.1	71.7	62.3
87.5°	23.3	27.5	29.9	27.5	24.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)