

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: P1050461

Luminaire Tested: PTR-14-60-PW1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050461
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-14-60-PW1-L850-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

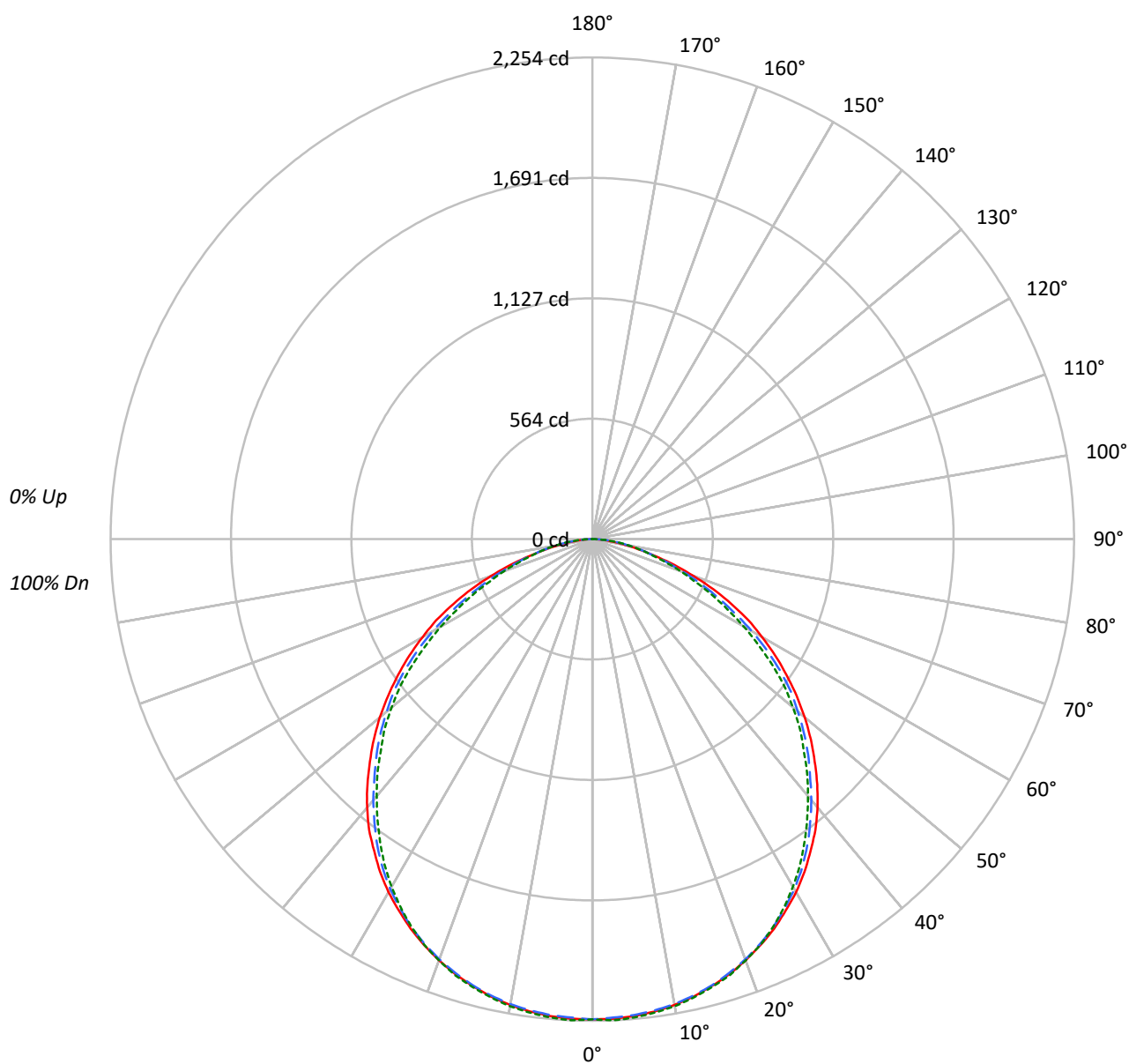
Lumens per Lamp: N/A
Luminaire Lumens: 5963.3 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	6047	6047	6047
5°	6052	6039	6070
10°	6049	6036	6066
15°	6031	6022	6044
20°	6006	5992	6006
25°	5973	5948	5943
30°	5927	5876	5835
35°	5848	5760	5686
40°	5758	5601	5513
45°	5599	5434	5323
50°	5430	5253	5131
55°	5204	5028	4828
60°	4934	4642	4400
65°	4564	4146	3940
70°	3956	3609	3473
75°	3159	3089	3004
80°	2400	2682	2682
85°	1775	2288	2288

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5599 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.1	3.6
10°-20°	611.2	10.2
20°-30°	923.8	15.5
30°-40°	1096.9	18.4
40°-50°	1105.1	18.5
50°-60°	955.2	16.0
60°-70°	652.8	10.9
70°-80°	321.9	5.4
80°-90°	83.3	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°	1748.1	29.3
0°-40°	2845.0	47.7
0°-60°	4905.3	82.3
0°-90°	5963.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5963.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2247	2247	2247	2247	2247	
5°	2240	2241	2236	2245	2247	213
15°	2165	2167	2162	2169	2170	611
25°	2012	2010	2003	2005	2002	927
35°	1780	1774	1753	1738	1731	1114
45°	1471	1455	1428	1411	1399	1136
55°	1109	1106	1072	1040	1029	992
65°	717	691	651	623	619	708
75°	304	301	297	297	289	331
85°	58	68	74	76	74	70
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2247.1	2247.1	2247.1	2247.1	2247.1
2.5°	2246.5	2247.1	2241.3	2251.3	2253.7
5°	2240.4	2241.3	2235.6	2244.7	2247.1
7.5°	2229.8	2231.3	2224.7	2233.8	2235.6
10°	2213.8	2214.7	2209.0	2218.0	2219.9
12.5°	2192.3	2192.9	2188.1	2196.3	2196.3
15°	2164.8	2167.2	2161.5	2169.0	2169.6
17.5°	2133.9	2134.8	2129.1	2137.3	2139.1
20°	2097.3	2097.3	2092.5	2099.1	2097.3
22.5°	2056.5	2056.5	2050.7	2054.1	2055.6
25°	2011.7	2009.9	2003.2	2005.0	2001.7
27.5°	1960.0	1960.0	1948.2	1948.2	1942.4
30°	1907.6	1903.4	1891.0	1883.4	1877.7
32.5°	1847.4	1841.7	1825.9	1812.6	1808.4
35°	1780.2	1774.2	1753.3	1737.6	1730.9
37.5°	1715.2	1701.9	1674.3	1658.6	1651.0
40°	1639.2	1622.6	1594.5	1572.7	1569.4
42.5°	1557.9	1544.5	1507.9	1491.9	1488.0
45°	1471.3	1455.3	1427.8	1411.1	1398.7
47.5°	1386.3	1374.5	1343.0	1323.1	1318.8
50°	1297.1	1287.1	1254.7	1233.2	1225.7
52.5°	1204.8	1198.1	1170.6	1143.1	1134.0
55°	1109.2	1105.8	1071.7	1039.9	1029.0
57.5°	1015.1	1010.8	968.2	931.6	921.6
60°	916.7	904.3	862.6	828.4	817.5
62.5°	823.6	796.9	751.9	725.2	712.8
65°	716.8	691.0	651.1	622.7	618.7
67.5°	612.1	581.2	550.3	532.8	519.5
70°	502.8	482.0	458.7	443.8	441.4
72.5°	401.2	386.4	374.6	365.5	357.9
75°	303.8	301.3	297.1	297.1	288.9
77.5°	223.3	229.0	232.4	231.5	233.3
80°	154.9	166.4	173.1	174.0	173.1
82.5°	98.3	111.6	122.5	124.0	125.9
85°	57.5	67.5	74.1	75.6	74.1
87.5°	25.7	32.4	34.2	35.7	34.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)