

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: P1050264

Luminaire Tested: PTR-14-60-PL1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050264
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-14-60-PL1-L840-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

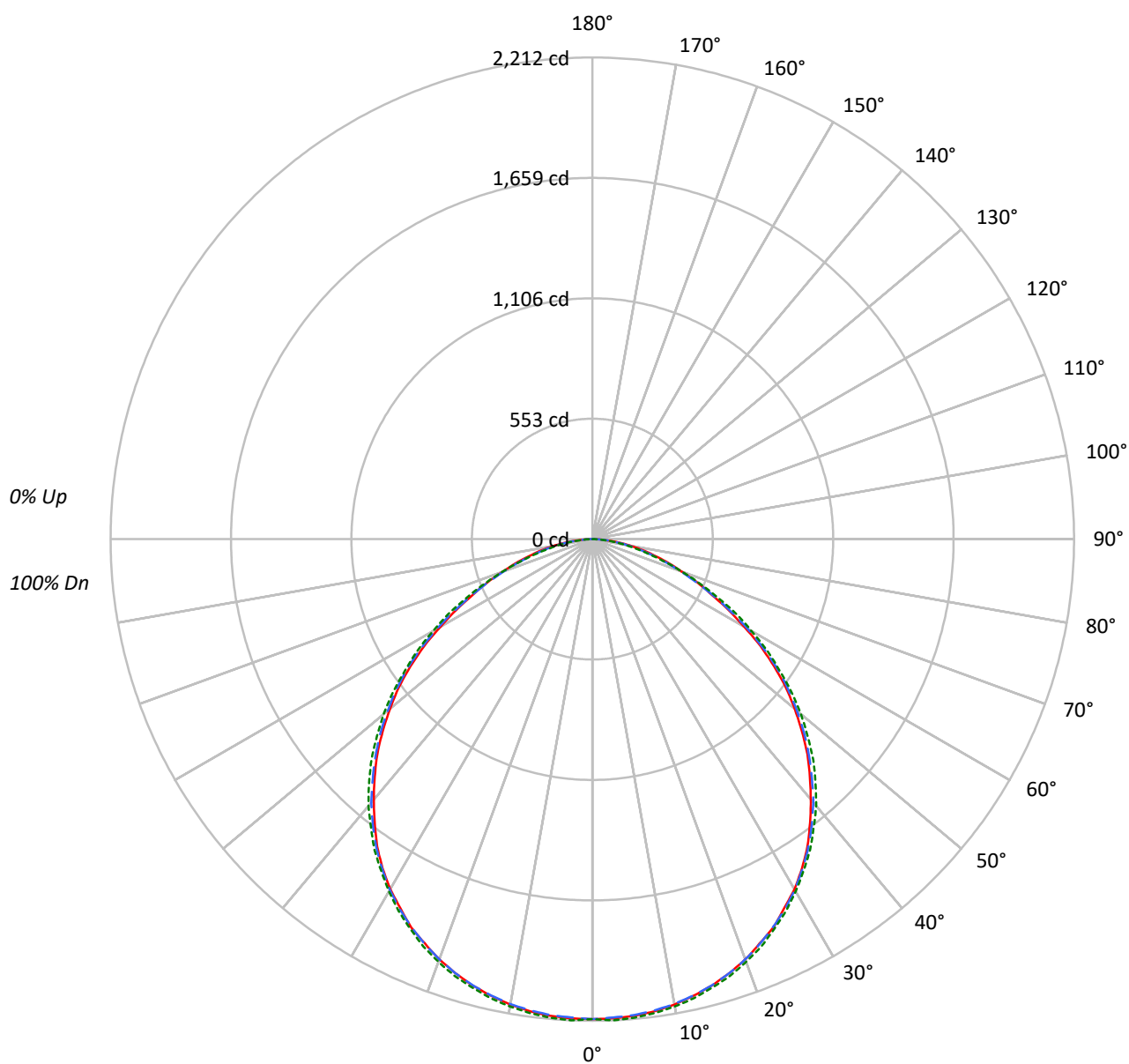
Lumens per Lamp: N/A
Luminaire Lumens: 5811.2 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	5933	5933	5933
5°	5938	5926	5959
10°	5930	5923	5957
15°	5912	5909	5939
20°	5882	5882	5916
25°	5842	5835	5866
30°	5768	5777	5804
35°	5659	5680	5726
40°	5483	5546	5617
45°	5312	5356	5459
50°	5078	5133	5235
55°	4783	4860	4917
60°	4338	4431	4541
65°	3854	3895	4052
70°	3445	3375	3459
75°	3108	2929	2870
80°	2824	2622	2328
85°	2393	2171	1868

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5459 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.1	3.6
10°-20°	599.8	10.3
20°-30°	907.2	15.6
30°-40°	1081.4	18.6
40°-50°	1087.4	18.7
50°-60°	922.9	15.9
60°-70°	614.5	10.6
70°-80°	306.8	5.3
80°-90°	82.1	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°	1716.1	29.5
0°-40°	2797.5	48.1
0°-60°	4807.8	82.7
0°-90°	5811.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5811.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2205	2205	2205	2205	2205	
5°	2198	2199	2194	2204	2206	209
15°	2122	2124	2121	2130	2132	599
25°	1968	1968	1965	1974	1976	905
35°	1723	1724	1729	1741	1743	1075
45°	1396	1398	1407	1426	1434	1074
55°	1020	1027	1036	1046	1048	909
65°	605	610	612	621	636	607
75°	299	295	282	275	276	321
85°	78	76	70	66	60	90
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2204.6	2204.6	2204.6	2204.6	2204.6
2.5°	2202.8	2204.6	2198.6	2209.3	2212.0
5°	2198.1	2198.6	2193.9	2203.7	2206.1
7.5°	2187.4	2188.3	2183.2	2193.9	2195.4
10°	2170.2	2171.9	2167.8	2177.6	2179.9
12.5°	2148.2	2150.6	2146.4	2157.1	2158.9
15°	2122.1	2124.4	2121.2	2130.1	2131.9
17.5°	2090.0	2091.8	2090.0	2098.3	2103.1
20°	2054.1	2054.1	2054.1	2061.5	2065.7
22.5°	2009.3	2013.4	2011.7	2021.5	2025.6
25°	1967.7	1967.7	1965.1	1974.3	1975.8
27.5°	1909.6	1916.1	1915.5	1923.5	1925.3
30°	1856.4	1858.2	1859.1	1864.8	1868.0
32.5°	1792.0	1793.5	1796.2	1804.2	1805.1
35°	1722.6	1724.4	1729.1	1741.3	1743.1
37.5°	1641.9	1650.8	1654.9	1668.0	1669.5
40°	1560.8	1566.5	1578.9	1592.6	1599.1
42.5°	1478.3	1484.9	1492.3	1511.0	1516.9
45°	1395.8	1398.2	1407.4	1426.1	1434.4
47.5°	1304.4	1311.8	1319.8	1336.2	1341.2
50°	1213.0	1221.0	1226.1	1240.6	1250.4
52.5°	1120.7	1128.1	1133.8	1142.7	1152.4
55°	1019.5	1026.6	1035.8	1045.6	1048.0
57.5°	916.5	924.5	930.4	940.8	951.5
60°	806.1	815.3	823.3	833.1	843.8
62.5°	703.4	707.3	715.6	731.9	747.3
65°	605.2	610.2	611.7	620.9	636.3
67.5°	523.5	523.5	516.1	519.4	536.6
70°	437.8	434.5	428.9	425.6	439.6
72.5°	368.3	364.2	352.0	346.4	353.8
75°	298.9	294.7	281.7	275.1	276.0
77.5°	240.1	233.6	222.9	211.6	209.2
80°	182.2	179.6	169.2	158.5	150.2
82.5°	129.1	123.5	117.5	111.0	104.5
85°	77.5	76.0	70.3	66.2	60.5
87.5°	31.8	31.8	30.3	28.5	27.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)