

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: P1050362

Luminaire Tested: PTR-14-60-PP3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PP3-L840-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

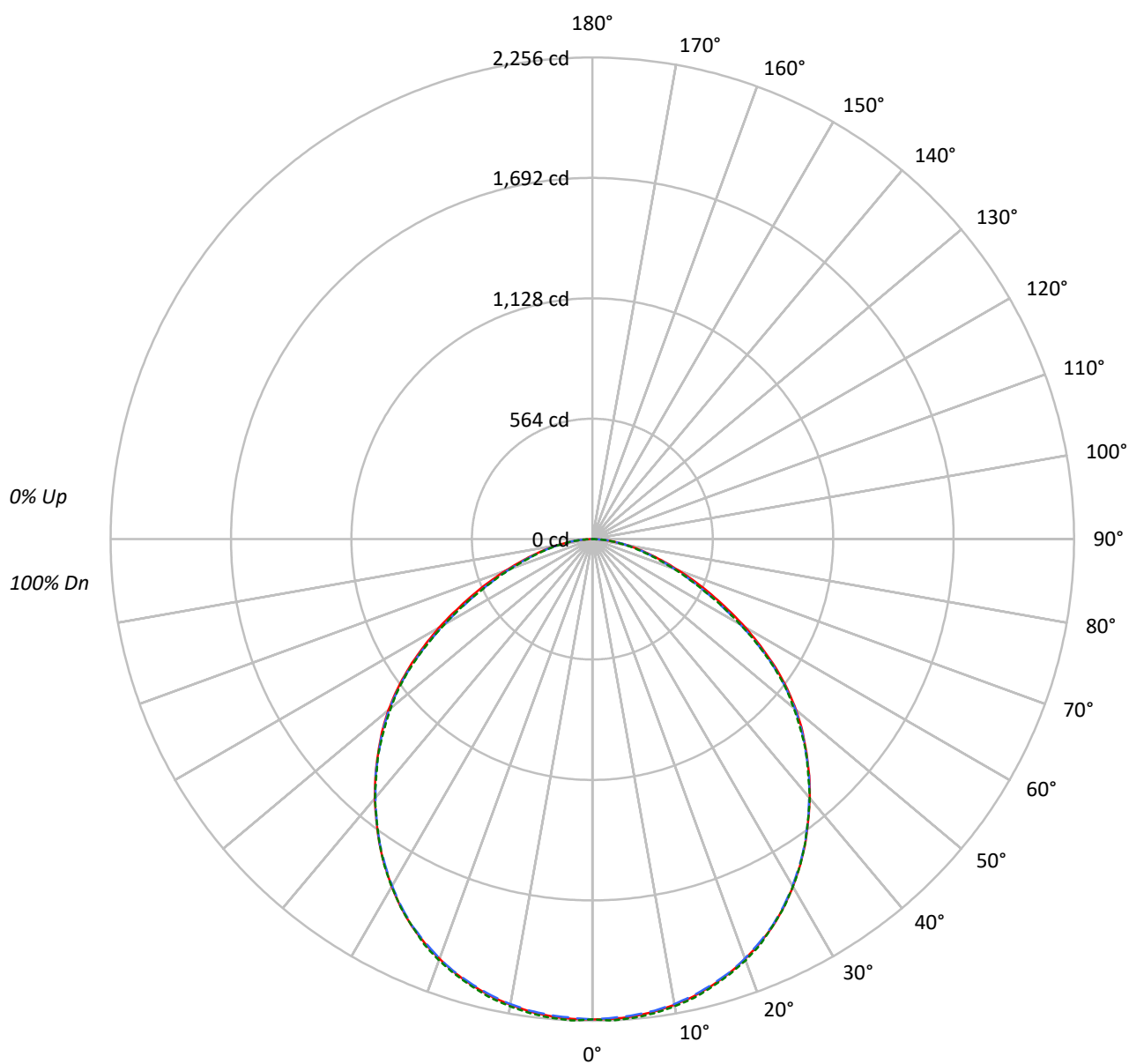
Lumens per Lamp: N/A
Luminaire Lumens: 5813.2 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	74	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	63	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	48	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	42	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	38	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6054	6054	6054
5°	6060	6046	6079
10°	6051	6042	6072
15°	6031	6020	6047
20°	5992	5987	6012
25°	5938	5929	5936
30°	5839	5826	5839
35°	5711	5704	5708
40°	5565	5548	5562
45°	5398	5382	5389
50°	5218	5193	5156
55°	4912	4854	4839
60°	4457	4307	4315
65°	3915	3719	3713
70°	3386	3231	3194
75°	2928	2820	2758
80°	2594	2557	2442
85°	2143	2217	2090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5417 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.4	3.7
10°-20°	611.3	10.5
20°-30°	920.3	15.8
30°-40°	1086.1	18.7
40°-50°	1092.4	18.8
50°-60°	922.2	15.9
60°-70°	592.3	10.2
70°-80°	294.6	5.1
80°-90°	80.7	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°	1744.9	30.0
0°-40°	2831.0	48.7
0°-60°	4845.6	83.4
0°-90°	5813.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5813.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2250	2250	2250	2250	2250	
5°	2243	2244	2238	2249	2250	213
15°	2165	2166	2161	2171	2171	611
25°	2000	2001	1997	2001	1999	920
35°	1739	1740	1736	1738	1738	1087
45°	1418	1424	1414	1416	1416	1095
55°	1047	1046	1035	1031	1032	931
65°	615	606	584	578	583	613
75°	282	280	271	269	265	305
85°	69	72	72	68	68	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2249.9	2249.9	2249.9	2249.9	2249.9
2.5°	2249.0	2249.9	2244.0	2254.6	2256.4
5°	2243.4	2244.0	2238.3	2249.0	2250.5
7.5°	2231.8	2232.7	2227.6	2237.4	2239.2
10°	2214.6	2217.2	2211.3	2220.5	2222.0
12.5°	2193.5	2194.4	2188.5	2199.1	2200.9
15°	2165.0	2165.6	2160.9	2170.7	2170.7
17.5°	2132.1	2133.0	2129.7	2138.0	2137.1
20°	2092.3	2094.7	2090.5	2096.2	2099.4
22.5°	2049.0	2049.9	2044.8	2052.3	2055.5
25°	2000.0	2000.6	1996.8	2000.6	1999.1
27.5°	1942.8	1944.2	1938.6	1942.8	1943.7
30°	1879.0	1883.1	1875.1	1878.4	1879.0
32.5°	1810.4	1812.8	1807.1	1808.0	1812.2
35°	1738.6	1739.5	1736.2	1737.7	1737.7
37.5°	1661.2	1664.4	1659.4	1661.7	1658.5
40°	1584.3	1581.0	1579.3	1581.0	1583.4
42.5°	1503.3	1504.2	1501.8	1500.0	1496.2
45°	1418.4	1423.5	1414.3	1416.0	1416.0
47.5°	1335.3	1335.9	1331.2	1326.1	1322.9
50°	1246.3	1246.3	1240.4	1236.5	1231.5
52.5°	1149.0	1147.5	1141.0	1136.8	1139.2
55°	1046.9	1046.0	1034.7	1030.6	1031.5
57.5°	935.0	936.8	919.6	915.4	915.4
60°	828.2	819.9	800.3	794.7	801.8
62.5°	716.0	706.2	685.2	685.2	690.8
65°	614.8	605.9	584.0	578.1	583.1
67.5°	520.2	511.9	491.7	488.4	489.9
70°	430.3	423.2	410.7	403.3	405.9
72.5°	352.8	346.3	338.0	332.3	329.1
75°	281.6	280.1	271.2	268.6	265.3
77.5°	222.9	222.3	214.8	211.6	208.3
80°	167.4	166.5	165.0	159.9	157.6
82.5°	119.3	119.3	118.4	114.2	111.9
85°	69.4	71.8	71.8	67.7	67.7
87.5°	27.9	29.4	27.9	27.9	27.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)