

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: P1050325

Luminaire Tested: PTR-14-30-PP3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050325
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-14-30-PP3-L840-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

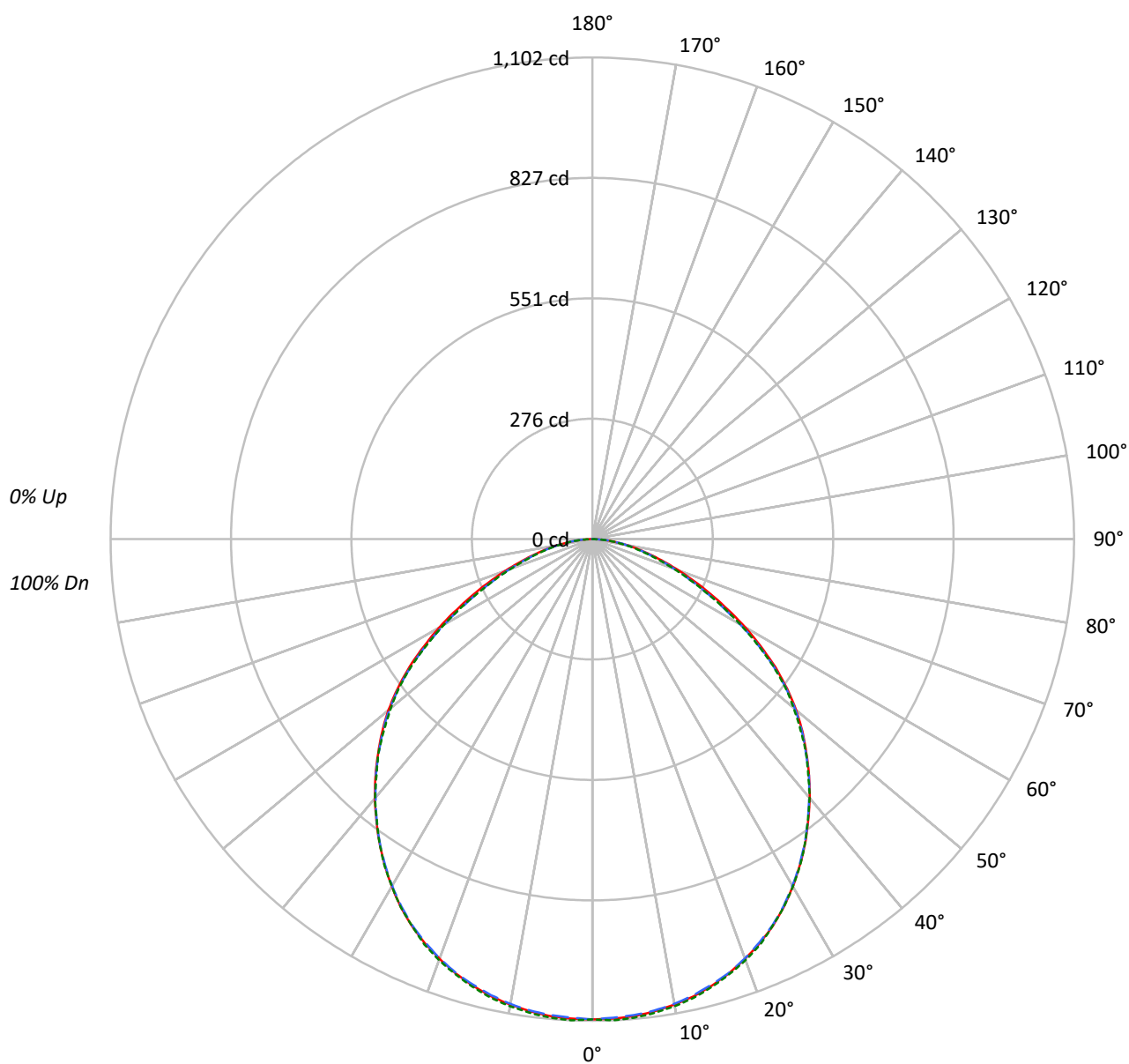
Lumens per Lamp: N/A
Luminaire Lumens: 2838.7 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2957	2957	2957
5°	2959	2952	2969
10°	2955	2951	2965
15°	2945	2940	2953
20°	2926	2924	2936
25°	2900	2895	2899
30°	2851	2845	2851
35°	2789	2785	2788
40°	2718	2709	2716
45°	2636	2628	2632
50°	2548	2536	2518
55°	2398	2371	2363
60°	2176	2103	2107
65°	1911	1816	1813
70°	1653	1578	1559
75°	1430	1377	1346
80°	1266	1249	1192
85°	1047	1084	1019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2645 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	3.7
10°-20°	298.5	10.5
20°-30°	449.4	15.8
30°-40°	530.4	18.7
40°-50°	533.4	18.8
50°-60°	450.3	15.9
60°-70°	289.2	10.2
70°-80°	143.8	5.1
80°-90°	39.4	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°	852.1	30.0
0°-40°	1382.5	48.7
0°-60°	2366.3	83.4
0°-90°	2838.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2838.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1099	1099	1099	1099	1099	
5°	1096	1096	1093	1098	1099	104
15°	1057	1058	1055	1060	1060	298
25°	977	977	975	977	976	449
35°	849	849	848	849	849	531
45°	693	695	691	692	692	535
55°	511	511	505	503	504	455
65°	300	296	285	282	285	299
75°	138	137	132	131	130	149
85°	34	35	35	33	33	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1098.7	1098.7	1098.7	1098.7	1098.7
2.5°	1098.2	1098.7	1095.8	1101.0	1101.9
5°	1095.5	1095.8	1093.0	1098.2	1099.0
7.5°	1089.8	1090.3	1087.8	1092.6	1093.5
10°	1081.4	1082.7	1079.8	1084.3	1085.1
12.5°	1071.1	1071.6	1068.7	1073.9	1074.8
15°	1057.2	1057.5	1055.2	1060.0	1060.0
17.5°	1041.2	1041.6	1040.0	1044.1	1043.6
20°	1021.7	1022.9	1020.9	1023.6	1025.2
22.5°	1000.6	1001.0	998.5	1002.2	1003.8
25°	976.7	977.0	975.1	977.0	976.2
27.5°	948.7	949.4	946.7	948.7	949.1
30°	917.5	919.6	915.7	917.3	917.5
32.5°	884.1	885.2	882.5	882.9	884.9
35°	849.0	849.4	847.8	848.6	848.6
37.5°	811.2	812.8	810.3	811.5	809.9
40°	773.7	772.1	771.2	772.1	773.2
42.5°	734.1	734.5	733.4	732.5	730.6
45°	692.7	695.1	690.6	691.5	691.5
47.5°	652.1	652.4	650.1	647.6	646.0
50°	608.6	608.6	605.7	603.8	601.4
52.5°	561.1	560.4	557.2	555.1	556.3
55°	511.2	510.8	505.3	503.3	503.7
57.5°	456.6	457.5	449.1	447.0	447.0
60°	404.4	400.4	390.8	388.1	391.5
62.5°	349.7	344.9	334.6	334.6	337.3
65°	300.2	295.9	285.2	282.3	284.7
67.5°	254.0	250.0	240.1	238.5	239.2
70°	210.1	206.6	200.6	196.9	198.2
72.5°	172.3	169.1	165.0	162.3	160.7
75°	137.5	136.8	132.4	131.1	129.5
77.5°	108.8	108.5	104.9	103.3	101.7
80°	81.7	81.3	80.6	78.1	76.9
82.5°	58.3	58.3	57.8	55.8	54.6
85°	33.9	35.1	35.1	33.0	33.0
87.5°	13.6	14.3	13.6	13.6	13.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)