

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: P1050348

Luminaire Tested: PTR-14-40-PP3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050348
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-14-40-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

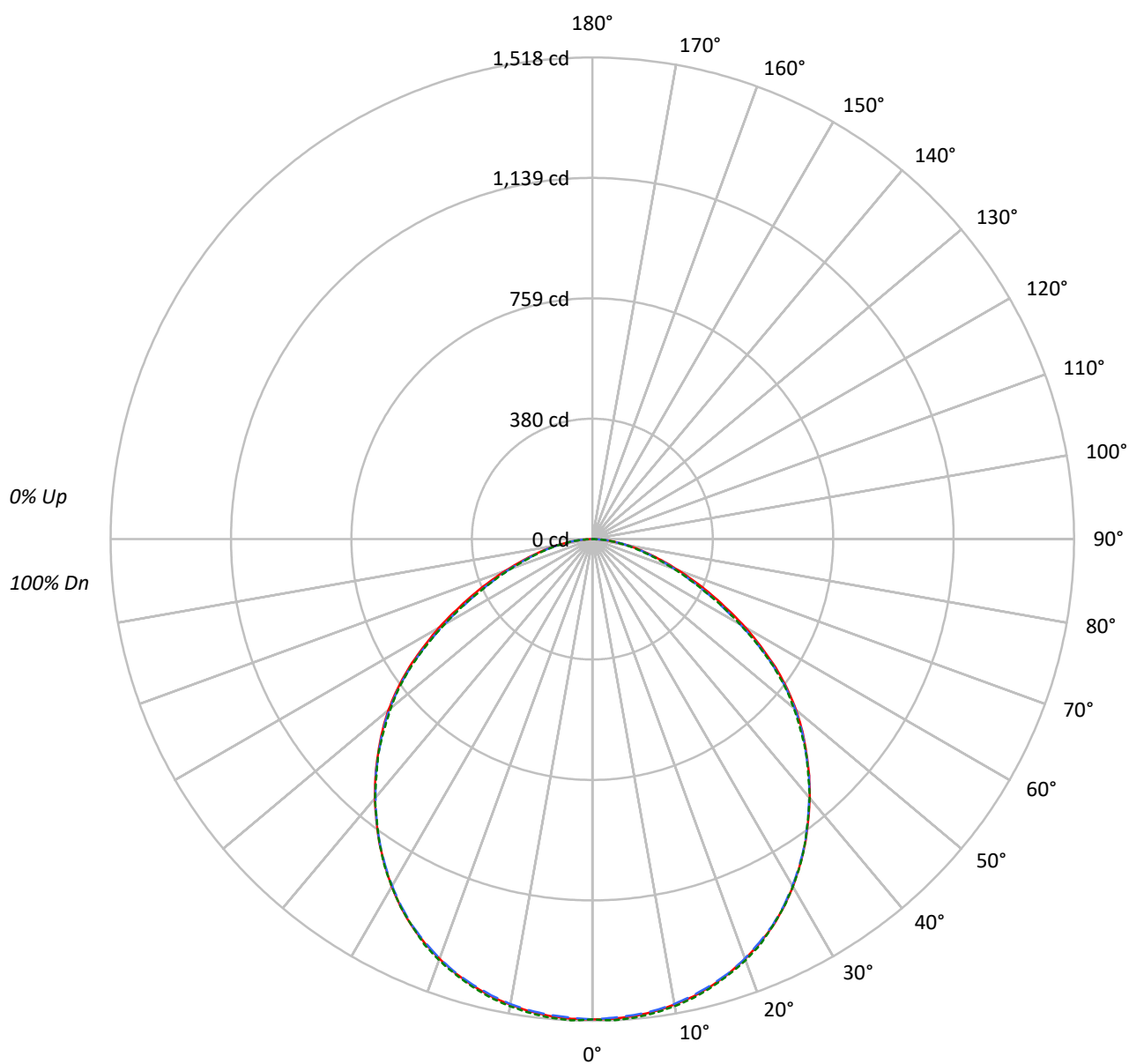
Lumens per Lamp: N/A
Luminaire Lumens: 3910.7 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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°	4073	4073	4073
5°	4077	4068	4090
10°	4071	4065	4085
15°	4058	4050	4068
20°	4031	4027	4045
25°	3995	3988	3993
30°	3928	3920	3928
35°	3842	3837	3840
40°	3744	3732	3742
45°	3631	3621	3625
50°	3510	3493	3468
55°	3304	3266	3255
60°	2999	2898	2903
65°	2634	2502	2498
70°	2278	2174	2149
75°	1969	1897	1856
80°	1745	1720	1643
85°	1442	1491	1405

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3644 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.5	3.7
10°-20°	411.2	10.5
20°-30°	619.1	15.8
30°-40°	730.7	18.7
40°-50°	734.9	18.8
50°-60°	620.4	15.9
60°-70°	398.4	10.2
70°-80°	198.2	5.1
80°-90°	54.3	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°	1173.9	30.0
0°-40°	1904.5	48.7
0°-60°	3259.8	83.4
0°-90°	3910.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3910.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1514	1514	1514	1514	1514	
5°	1509	1510	1506	1513	1514	143
15°	1456	1457	1454	1460	1460	411
25°	1346	1346	1343	1346	1345	619
35°	1170	1170	1168	1169	1169	731
45°	954	958	951	953	953	736
55°	704	704	696	693	694	627
65°	414	408	393	389	392	412
75°	189	188	182	181	178	205
85°	47	48	48	46	46	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1513.6	1513.6	1513.6	1513.6	1513.6
2.5°	1513.0	1513.6	1509.6	1516.8	1518.0
5°	1509.2	1509.6	1505.8	1513.0	1514.0
7.5°	1501.4	1502.0	1498.6	1505.2	1506.4
10°	1489.8	1491.6	1487.6	1493.8	1494.8
12.5°	1475.6	1476.2	1472.3	1479.4	1480.6
15°	1456.5	1456.9	1453.7	1460.3	1460.3
17.5°	1434.3	1434.9	1432.7	1438.3	1437.7
20°	1407.6	1409.2	1406.4	1410.2	1412.4
22.5°	1378.4	1379.0	1375.6	1380.6	1382.8
25°	1345.5	1345.9	1343.3	1345.9	1344.9
27.5°	1307.0	1308.0	1304.2	1307.0	1307.6
30°	1264.0	1266.8	1261.4	1263.6	1264.0
32.5°	1217.9	1219.5	1215.7	1216.3	1219.1
35°	1169.6	1170.2	1168.0	1169.0	1169.0
37.5°	1117.5	1119.7	1116.3	1117.9	1115.7
40°	1065.8	1063.6	1062.4	1063.6	1065.2
42.5°	1011.3	1011.9	1010.3	1009.1	1006.5
45°	954.2	957.6	951.4	952.6	952.6
47.5°	898.3	898.7	895.5	892.1	889.9
50°	838.4	838.4	834.4	831.8	828.5
52.5°	773.0	772.0	767.6	764.8	766.4
55°	704.3	703.7	696.1	693.3	693.9
57.5°	629.0	630.2	618.6	615.9	615.9
60°	557.2	551.6	538.4	534.6	539.4
62.5°	481.7	475.1	460.9	460.9	464.7
65°	413.6	407.6	392.9	388.9	392.3
67.5°	349.9	344.4	330.8	328.6	329.6
70°	289.5	284.7	276.3	271.3	273.1
72.5°	237.4	233.0	227.4	223.6	221.4
75°	189.4	188.4	182.5	180.7	178.5
77.5°	149.9	149.5	144.5	142.3	140.1
80°	112.6	112.0	111.0	107.6	106.0
82.5°	80.3	80.3	79.7	76.9	75.3
85°	46.7	48.3	48.3	45.5	45.5
87.5°	18.8	19.8	18.8	18.8	18.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)