

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: P1050349

Luminaire Tested: PTR-14-40-PP3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050349
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-L850-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

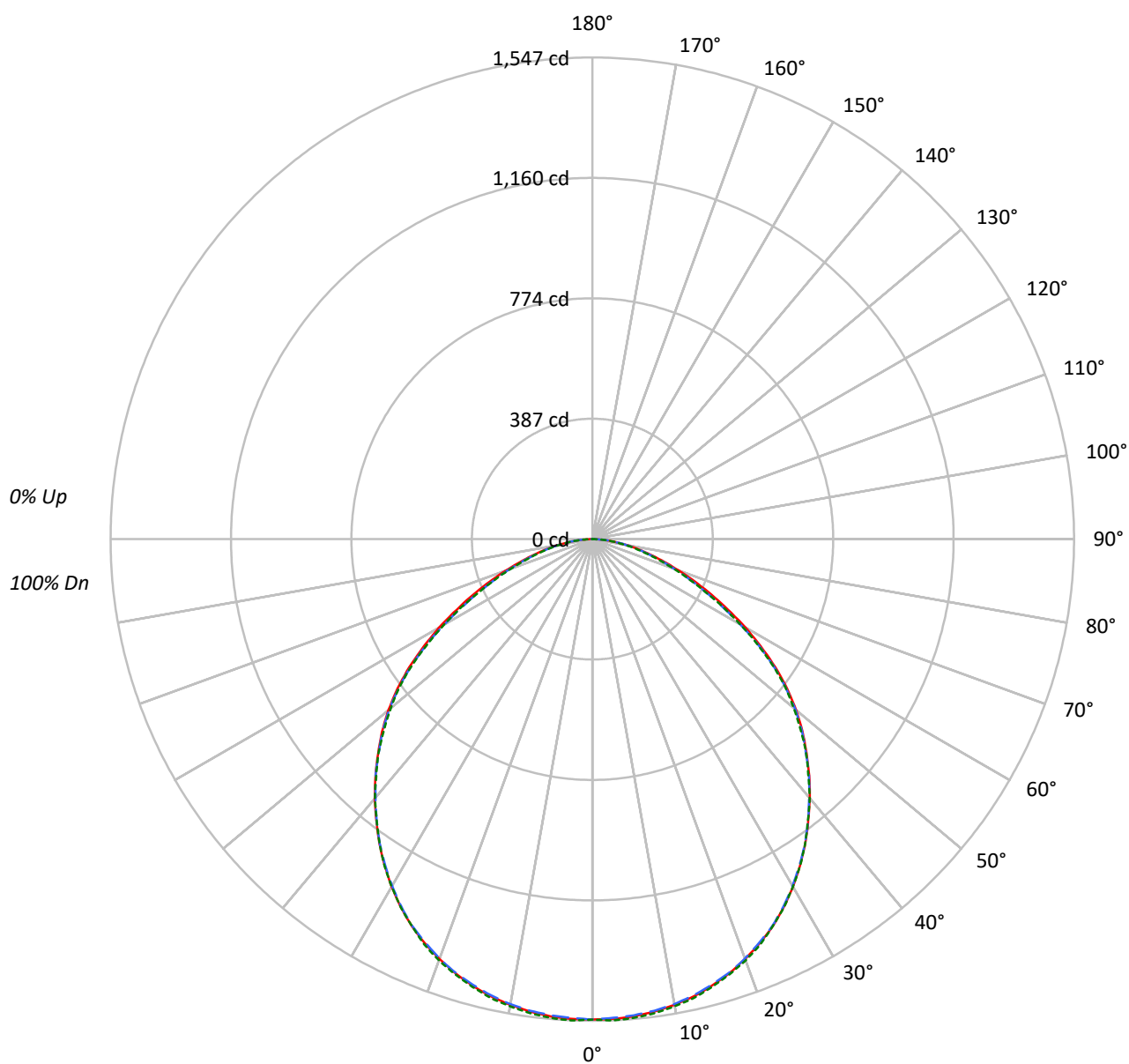
Lumens per Lamp: N/A
Luminaire Lumens: 3986.6 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	4152	4152	4152
5°	4156	4146	4169
10°	4150	4144	4164
15°	4137	4128	4147
20°	4109	4106	4123
25°	4073	4066	4071
30°	4004	3996	4004
35°	3917	3912	3915
40°	3817	3804	3815
45°	3702	3691	3696
50°	3578	3561	3535
55°	3369	3329	3319
60°	3057	2954	2960
65°	2685	2550	2546
70°	2322	2216	2190
75°	2008	1934	1891
80°	1779	1753	1675
85°	1470	1519	1433

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3715 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.3	3.7
10°-20°	419.2	10.5
20°-30°	631.1	15.8
30°-40°	744.9	18.7
40°-50°	749.1	18.8
50°-60°	632.4	15.9
60°-70°	406.2	10.2
70°-80°	202.0	5.1
80°-90°	55.3	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°	1196.6	30.0
0°-40°	1941.5	48.7
0°-60°	3323.1	83.4
0°-90°	3986.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3986.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1543	1543	1543	1543	1543	
5°	1538	1539	1535	1542	1543	146
15°	1485	1485	1482	1489	1489	419
25°	1372	1372	1369	1372	1371	631
35°	1192	1193	1191	1192	1192	745
45°	973	976	970	971	971	751
55°	718	717	710	707	707	639
65°	422	416	400	396	400	420
75°	193	192	186	184	182	209
85°	48	49	49	46	46	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1543.0	1543.0	1543.0	1543.0	1543.0
2.5°	1542.4	1543.0	1538.9	1546.2	1547.4
5°	1538.5	1538.9	1535.0	1542.4	1543.4
7.5°	1530.6	1531.2	1527.7	1534.4	1535.6
10°	1518.7	1520.6	1516.5	1522.8	1523.8
12.5°	1504.3	1504.9	1500.8	1508.2	1509.4
15°	1484.8	1485.2	1481.9	1488.6	1488.6
17.5°	1462.2	1462.8	1460.5	1466.2	1465.6
20°	1434.9	1436.5	1433.7	1437.5	1439.8
22.5°	1405.2	1405.8	1402.3	1407.4	1409.7
25°	1371.6	1372.0	1369.4	1372.0	1371.0
27.5°	1332.3	1333.4	1329.5	1332.3	1332.9
30°	1288.6	1291.4	1285.9	1288.2	1288.6
32.5°	1241.6	1243.2	1239.3	1239.9	1242.8
35°	1192.3	1192.9	1190.7	1191.7	1191.7
37.5°	1139.2	1141.5	1138.0	1139.6	1137.4
40°	1086.5	1084.3	1083.0	1084.3	1085.9
42.5°	1030.9	1031.6	1029.9	1028.7	1026.1
45°	972.7	976.2	969.9	971.1	971.1
47.5°	915.8	916.2	912.9	909.5	907.2
50°	854.7	854.7	850.6	848.0	844.5
52.5°	788.0	786.9	782.5	779.6	781.3
55°	718.0	717.3	709.6	706.8	707.4
57.5°	641.2	642.5	630.7	627.8	627.8
60°	568.0	562.3	548.8	545.0	549.9
62.5°	491.1	484.3	469.9	469.9	473.8
65°	421.7	415.6	400.5	396.4	399.9
67.5°	356.7	351.0	337.2	335.0	336.0
70°	295.1	290.2	281.6	276.6	278.4
72.5°	242.0	237.5	231.8	227.9	225.7
75°	193.1	192.1	186.0	184.2	181.9
77.5°	152.8	152.4	147.3	145.1	142.9
80°	114.8	114.2	113.1	109.7	108.1
82.5°	81.8	81.8	81.2	78.3	76.7
85°	47.6	49.2	49.2	46.4	46.4
87.5°	19.1	20.1	19.1	19.1	18.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)