

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: P1050260

Luminaire Tested: PTR-14-50-PL1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050260
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-14-50-PL1-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

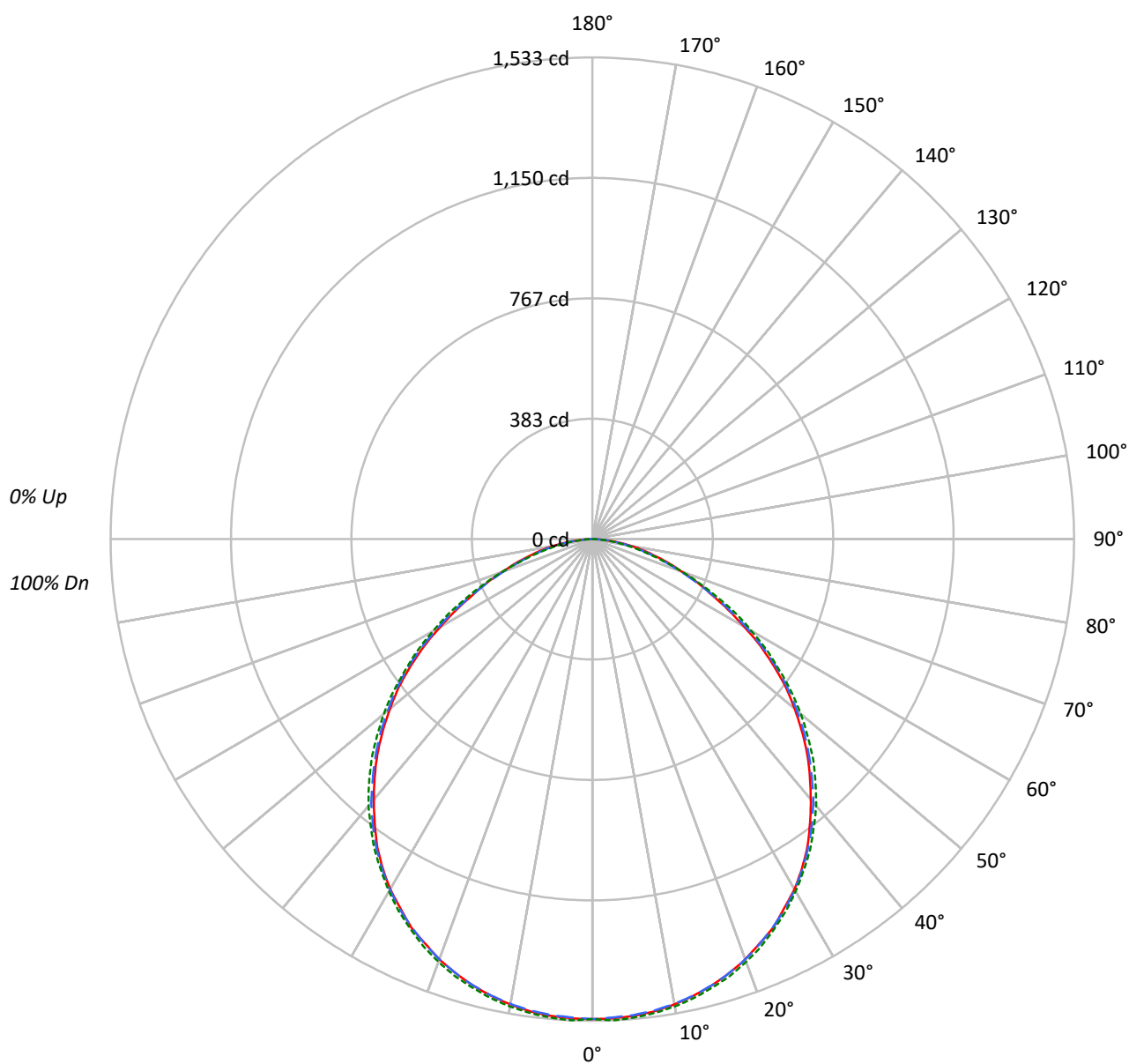
Lumens per Lamp: N/A
Luminaire Lumens: 4027.0 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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°	4111	4111	4111
5°	4115	4107	4129
10°	4109	4105	4128
15°	4097	4095	4116
20°	4076	4076	4099
25°	4049	4043	4065
30°	3998	4003	4022
35°	3921	3936	3968
40°	3799	3844	3893
45°	3681	3712	3783
50°	3519	3557	3628
55°	3315	3368	3407
60°	3006	3070	3147
65°	2670	2699	2808
70°	2387	2338	2397
75°	2153	2030	1989
80°	1957	1816	1613
85°	1658	1504	1297

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3783 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.9	3.6
10°-20°	415.6	10.3
20°-30°	628.7	15.6
30°-40°	749.4	18.6
40°-50°	753.5	18.7
50°-60°	639.5	15.9
60°-70°	425.8	10.6
70°-80°	212.6	5.3
80°-90°	56.9	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°	1189.2	29.5
0°-40°	1938.6	48.1
0°-60°	3331.7	82.7
0°-90°	4027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4027.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1528	1528	1528	1528	1528	
5°	1523	1524	1520	1527	1529	145
15°	1470	1472	1470	1476	1477	415
25°	1364	1364	1362	1368	1369	627
35°	1194	1195	1198	1207	1208	745
45°	967	969	975	988	994	744
55°	706	711	718	725	726	630
65°	419	423	424	430	441	420
75°	207	204	195	191	191	222
85°	54	53	49	46	42	62
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1527.7	1527.7	1527.7	1527.7	1527.7
2.5°	1526.5	1527.7	1523.6	1531.0	1532.8
5°	1523.2	1523.6	1520.3	1527.1	1528.7
7.5°	1515.8	1516.4	1512.9	1520.3	1521.3
10°	1503.8	1505.1	1502.2	1509.0	1510.6
12.5°	1488.6	1490.3	1487.4	1494.8	1496.0
15°	1470.5	1472.2	1469.9	1476.1	1477.3
17.5°	1448.3	1449.6	1448.3	1454.1	1457.4
20°	1423.4	1423.4	1423.4	1428.6	1431.5
22.5°	1392.4	1395.3	1394.0	1400.8	1403.7
25°	1363.6	1363.6	1361.7	1368.1	1369.1
27.5°	1323.3	1327.8	1327.4	1332.9	1334.2
30°	1286.5	1287.7	1288.3	1292.2	1294.5
32.5°	1241.8	1242.9	1244.7	1250.3	1250.9
35°	1193.7	1194.9	1198.2	1206.7	1207.9
37.5°	1137.8	1143.9	1146.8	1155.9	1156.9
40°	1081.6	1085.5	1094.2	1103.6	1108.1
42.5°	1024.4	1029.0	1034.1	1047.1	1051.2
45°	967.3	968.9	975.3	988.2	994.0
47.5°	903.9	909.1	914.6	925.9	929.4
50°	840.6	846.1	849.6	859.7	866.5
52.5°	776.6	781.7	785.7	791.8	798.6
55°	706.5	711.4	717.8	724.6	726.2
57.5°	635.1	640.7	644.8	652.0	659.4
60°	558.6	565.0	570.5	577.3	584.7
62.5°	487.4	490.1	495.9	507.2	517.9
65°	419.4	422.9	423.9	430.3	441.0
67.5°	362.8	362.8	357.7	359.9	371.8
70°	303.4	301.1	297.2	294.9	304.6
72.5°	255.2	252.4	243.9	240.0	245.2
75°	207.1	204.2	195.2	190.7	191.3
77.5°	166.4	161.9	154.5	146.6	145.0
80°	126.3	124.4	117.2	109.8	104.1
82.5°	89.5	85.6	81.4	76.9	72.4
85°	53.7	52.7	48.7	45.9	42.0
87.5°	22.0	22.0	21.0	19.7	18.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)