

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: P1050155

Luminaire Tested: PTR-14-40-PB1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-PB1-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

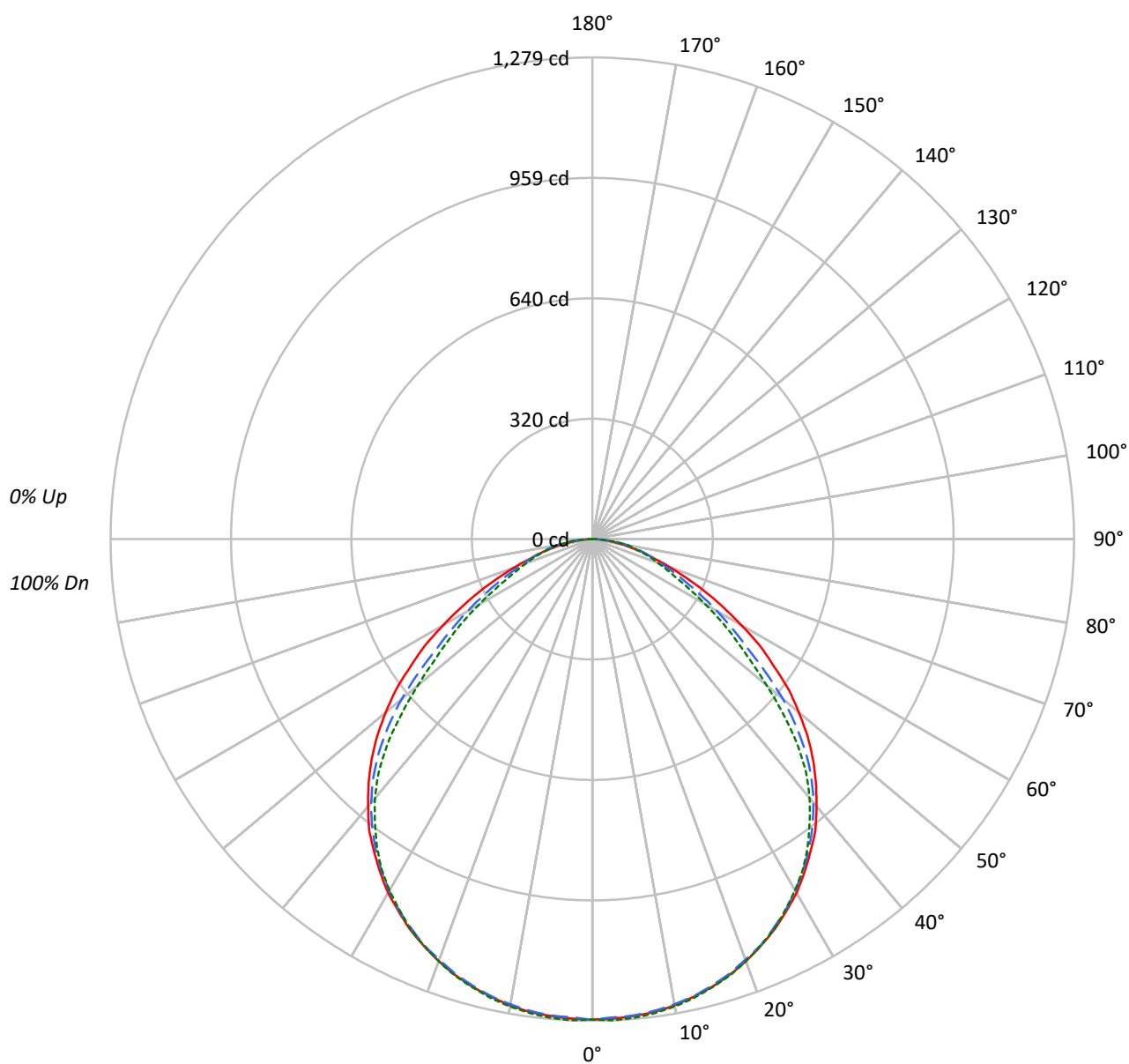
Lumens per Lamp: N/A
Luminaire Lumens: 3181.6 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3433	3433	3433
5°	3434	3430	3447
10°	3435	3427	3444
15°	3428	3419	3432
20°	3416	3402	3416
25°	3397	3383	3392
30°	3370	3350	3345
35°	3320	3295	3274
40°	3253	3209	3153
45°	3153	3052	2926
50°	2996	2766	2529
55°	2761	2349	2179
60°	2458	2053	1866
65°	2109	1779	1589
70°	1741	1569	1457
75°	1468	1500	1420
80°	1241	1533	1460
85°	973	1553	1359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3153 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.0	3.8
10°-20°	347.1	10.9
20°-30°	525.9	16.5
30°-40°	626.6	19.7
40°-50°	612.7	19.3
50°-60°	463.4	14.6
60°-70°	284.7	8.9
70°-80°	151.7	4.8
80°-90°	48.4	1.5
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°	994.0	31.2
0°-40°	1620.6	50.9
0°-60°	2696.7	84.8
0°-90°	3181.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3181.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1276	1276	1276	1276	1276	
5°	1271	1273	1270	1274	1276	121
15°	1230	1232	1227	1232	1232	347
25°	1144	1142	1139	1141	1142	527
35°	1011	1009	1003	998	997	632
45°	829	824	802	775	769	637
55°	588	559	501	472	464	527
65°	331	304	279	257	250	330
75°	141	143	144	140	137	151
85°	32	41	50	47	44	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1275.9	1275.9	1275.9	1275.9	1275.9
2.5°	1274.4	1275.9	1271.1	1277.6	1279.1
5°	1271.1	1272.8	1269.7	1274.4	1275.9
7.5°	1266.5	1266.5	1263.4	1268.0	1269.7
10°	1257.1	1257.1	1254.0	1258.6	1260.3
12.5°	1244.6	1244.6	1243.0	1246.1	1247.8
15°	1230.5	1231.9	1227.3	1231.9	1231.9
17.5°	1213.2	1211.7	1210.0	1213.2	1214.8
20°	1192.7	1192.7	1188.1	1191.2	1192.7
22.5°	1169.2	1169.2	1167.7	1169.2	1167.7
25°	1144.1	1142.5	1139.3	1141.0	1142.5
27.5°	1114.3	1114.3	1111.2	1111.2	1109.5
30°	1084.5	1082.8	1078.2	1075.1	1076.6
32.5°	1048.4	1046.7	1042.1	1039.0	1040.5
35°	1010.7	1009.2	1002.9	998.1	996.7
37.5°	973.1	968.3	960.4	954.1	947.9
40°	926.0	921.2	913.4	899.3	897.6
42.5°	878.8	874.2	861.5	844.4	839.6
45°	828.6	824.0	801.9	775.2	768.9
47.5°	775.2	767.5	732.9	699.9	687.4
50°	715.7	701.6	660.7	618.4	604.2
52.5°	657.6	632.5	579.1	541.4	527.4
55°	588.5	558.7	500.7	472.4	464.5
57.5°	527.4	486.5	439.4	411.2	405.0
60°	456.7	419.0	381.4	356.2	346.8
62.5°	392.3	359.3	328.0	306.0	295.1
65°	331.2	304.5	279.4	257.4	249.6
67.5°	271.5	257.4	236.9	219.8	215.0
70°	221.3	213.4	199.4	191.5	185.2
72.5°	175.8	178.9	169.5	166.4	161.6
75°	141.2	142.8	144.3	139.7	136.6
77.5°	106.8	114.5	120.8	117.6	114.5
80°	80.1	87.8	98.9	94.2	94.2
82.5°	54.9	64.4	73.8	70.7	69.0
85°	31.5	40.9	50.3	47.1	44.0
87.5°	12.5	20.4	21.9	21.9	20.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)