

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: P1050448

Luminaire Tested: PTR-14-40-PW1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-PW1-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

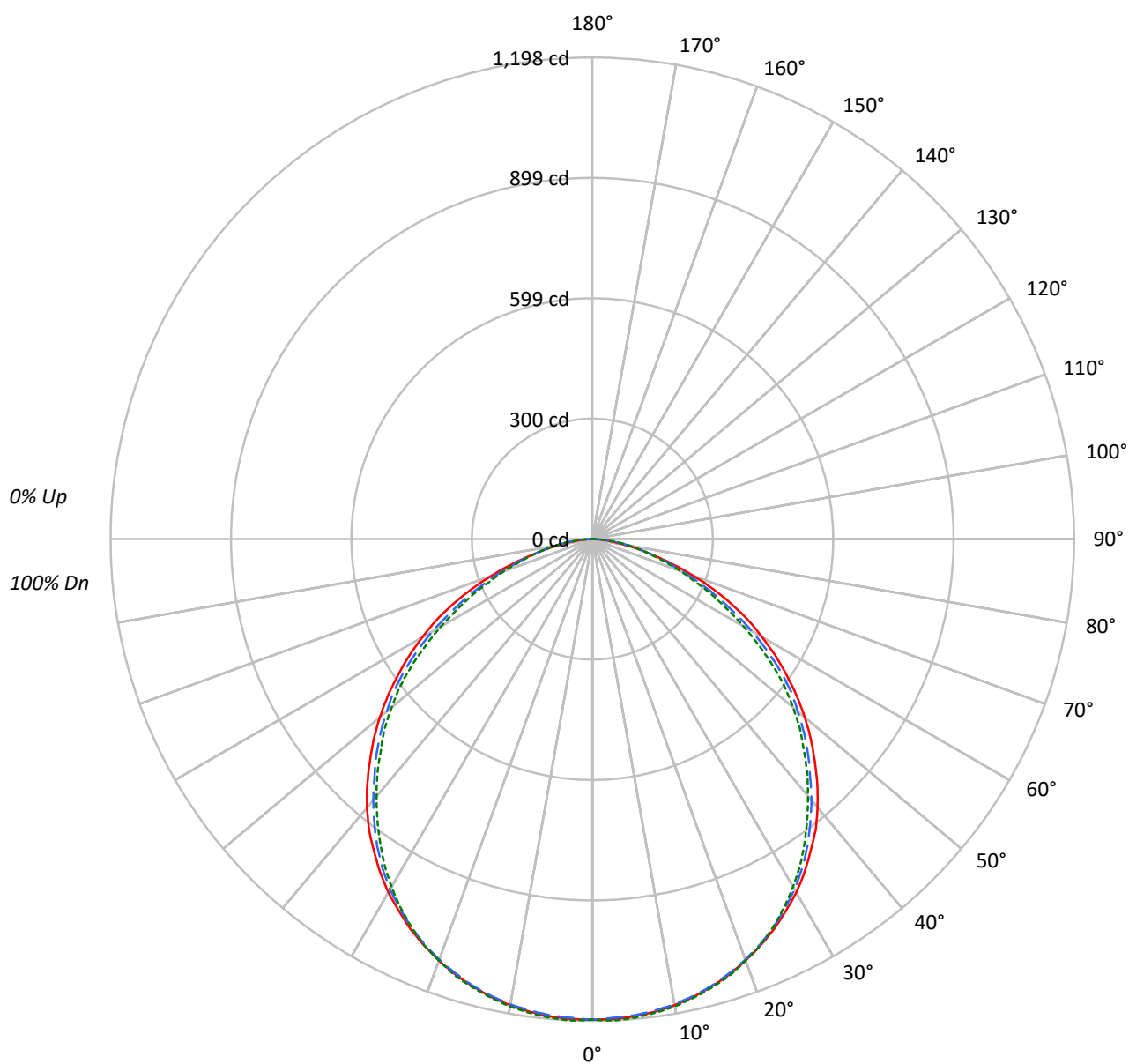
Lumens per Lamp: N/A
Luminaire Lumens: 3171.3 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3216	3216	3216
5°	3218	3212	3228
10°	3217	3210	3226
15°	3207	3202	3214
20°	3194	3187	3194
25°	3176	3163	3161
30°	3152	3125	3103
35°	3110	3063	3024
40°	3062	2979	2932
45°	2978	2890	2831
50°	2888	2793	2729
55°	2768	2674	2567
60°	2624	2469	2340
65°	2427	2205	2095
70°	2104	1919	1847
75°	1679	1643	1598
80°	1277	1426	1426
85°	945	1216	1216

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2978 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	3.6
10°-20°	325.1	10.2
20°-30°	491.3	15.5
30°-40°	583.3	18.4
40°-50°	587.7	18.5
50°-60°	508.0	16.0
60°-70°	347.2	10.9
70°-80°	171.2	5.4
80°-90°	44.3	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°	929.6	29.3
0°-40°	1512.9	47.7
0°-60°	2608.6	82.3
0°-90°	3171.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3171.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1195	1195	1195	1195	1195	
5°	1191	1192	1189	1194	1195	113
15°	1151	1152	1150	1154	1154	325
25°	1070	1069	1065	1066	1064	493
35°	947	944	932	924	920	593
45°	782	774	759	750	744	604
55°	590	588	570	553	547	527
65°	381	368	346	331	329	376
75°	162	160	158	158	154	176
85°	31	36	39	40	39	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1195.0	1195.0	1195.0	1195.0	1195.0
2.5°	1194.7	1195.0	1191.9	1197.2	1198.5
5°	1191.4	1191.9	1188.9	1193.7	1195.0
7.5°	1185.8	1186.6	1183.1	1187.9	1188.9
10°	1177.3	1177.8	1174.7	1179.5	1180.5
12.5°	1165.9	1166.2	1163.6	1168.0	1168.0
15°	1151.2	1152.5	1149.5	1153.5	1153.8
17.5°	1134.8	1135.3	1132.2	1136.6	1137.5
20°	1115.3	1115.3	1112.8	1116.3	1115.3
22.5°	1093.6	1093.6	1090.6	1092.3	1093.1
25°	1069.8	1068.8	1065.3	1066.3	1064.5
27.5°	1042.3	1042.3	1036.0	1036.0	1033.0
30°	1014.5	1012.2	1005.6	1001.6	998.5
32.5°	982.4	979.4	971.0	963.9	961.7
35°	946.7	943.5	932.4	924.0	920.5
37.5°	912.1	905.0	890.4	882.0	878.0
40°	871.7	862.9	847.9	836.3	834.6
42.5°	828.5	821.4	801.9	793.4	791.3
45°	782.4	773.9	759.3	750.4	743.8
47.5°	737.2	731.0	714.2	703.6	701.4
50°	689.8	684.5	667.2	655.8	651.8
52.5°	640.7	637.2	622.5	607.9	603.0
55°	589.9	588.1	569.9	553.0	547.2
57.5°	539.8	537.6	514.9	495.4	490.1
60°	487.5	480.9	458.7	440.5	434.7
62.5°	438.0	423.8	399.8	385.7	379.1
65°	381.2	367.5	346.3	331.1	329.0
67.5°	325.5	309.1	292.7	283.3	276.3
70°	267.4	256.3	243.9	236.0	234.7
72.5°	213.4	205.5	199.2	194.4	190.3
75°	161.5	160.3	158.0	158.0	153.7
77.5°	118.7	121.8	123.6	123.1	124.1
80°	82.4	88.5	92.0	92.5	92.0
82.5°	52.3	59.4	65.2	66.0	66.9
85°	30.6	35.9	39.4	40.2	39.4
87.5°	13.7	17.2	18.2	19.0	18.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)