

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: P1050450

Luminaire Tested: PTR-14-40-PW1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050450
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-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

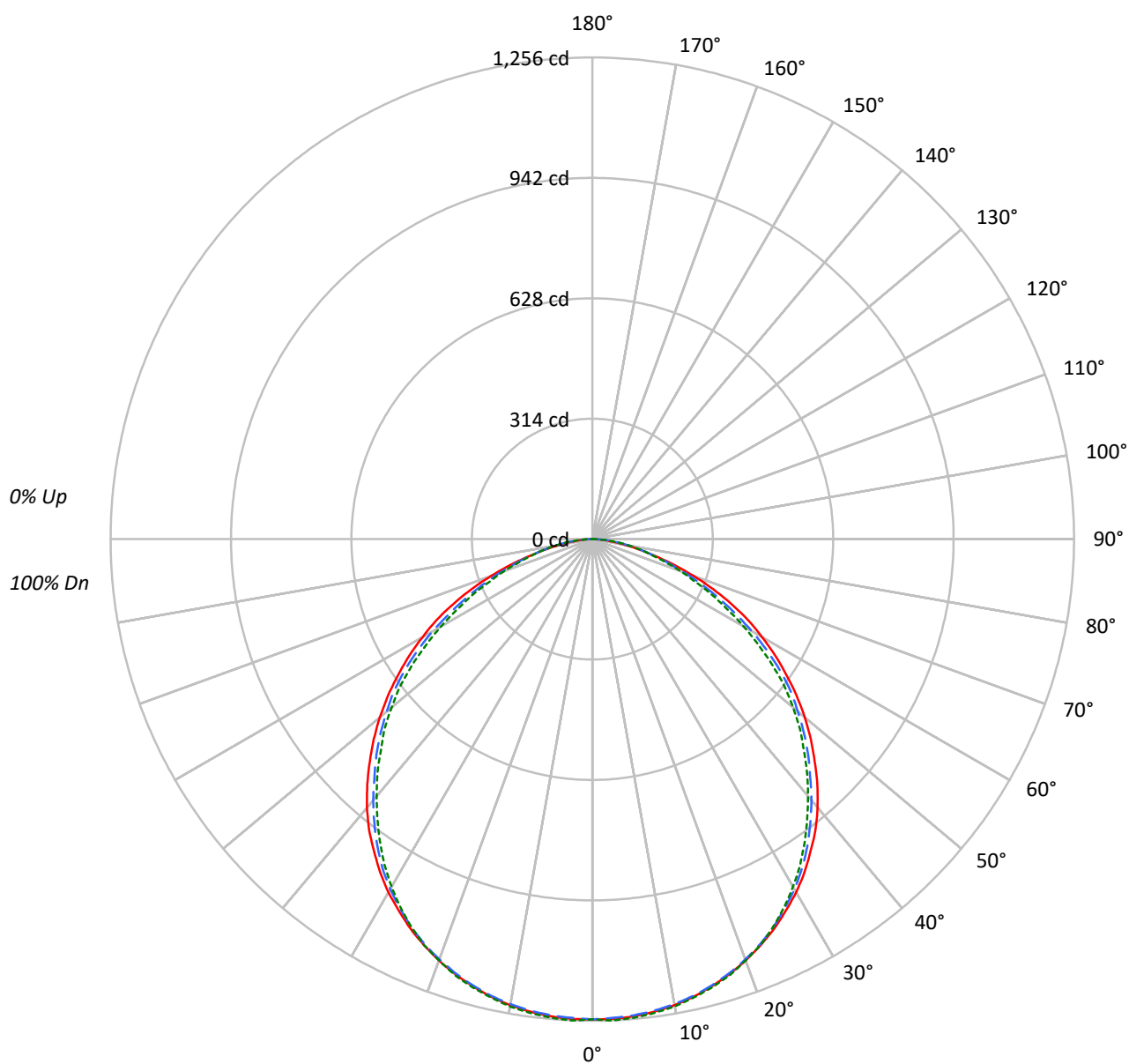
Lumens per Lamp: N/A
Luminaire Lumens: 3324.1 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3371	3371	3371
5°	3374	3366	3384
10°	3372	3365	3381
15°	3362	3356	3369
20°	3348	3340	3348
25°	3330	3315	3313
30°	3304	3275	3252
35°	3260	3211	3170
40°	3210	3122	3073
45°	3121	3029	2967
50°	3027	2928	2860
55°	2901	2803	2691
60°	2750	2588	2453
65°	2544	2311	2196
70°	2205	2012	1936
75°	1760	1722	1675
80°	1337	1495	1495
85°	988	1275	1275

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3121 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	3.6
10°-20°	340.7	10.2
20°-30°	514.9	15.5
30°-40°	611.4	18.4
40°-50°	616.0	18.5
50°-60°	532.5	16.0
60°-70°	363.9	10.9
70°-80°	179.5	5.4
80°-90°	46.4	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°	974.4	29.3
0°-40°	1585.9	47.7
0°-60°	2734.3	82.3
0°-90°	3324.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3324.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1253	1253	1253	1253	1253	
5°	1249	1249	1246	1251	1253	119
15°	1207	1208	1205	1209	1209	341
25°	1121	1120	1117	1118	1116	517
35°	992	989	977	969	965	621
45°	820	811	796	787	780	633
55°	618	616	597	580	574	553
65°	400	385	363	347	345	394
75°	169	168	166	166	161	185
85°	32	38	41	42	41	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1252.6	1252.6	1252.6	1252.6	1252.6
2.5°	1252.2	1252.6	1249.4	1254.9	1256.3
5°	1248.9	1249.4	1246.2	1251.2	1252.6
7.5°	1243.0	1243.8	1240.1	1245.2	1246.2
10°	1234.0	1234.5	1231.3	1236.4	1237.4
12.5°	1222.0	1222.4	1219.7	1224.2	1224.2
15°	1206.7	1208.1	1204.8	1209.1	1209.4
17.5°	1189.5	1190.0	1186.8	1191.4	1192.4
20°	1169.1	1169.1	1166.4	1170.1	1169.1
22.5°	1146.3	1146.3	1143.1	1145.0	1145.8
25°	1121.4	1120.4	1116.6	1117.7	1115.8
27.5°	1092.5	1092.5	1085.9	1085.9	1082.7
30°	1063.3	1061.0	1054.1	1049.9	1046.7
32.5°	1029.8	1026.6	1017.8	1010.4	1008.0
35°	992.3	989.0	977.3	968.6	964.9
37.5°	956.1	948.7	933.3	924.5	920.3
40°	913.8	904.5	888.8	876.7	874.8
42.5°	868.4	861.0	840.6	831.6	829.4
45°	820.2	811.2	795.9	786.6	779.7
47.5°	772.8	766.2	748.6	737.5	735.2
50°	723.0	717.4	699.4	687.4	683.2
52.5°	671.6	667.9	652.5	637.2	632.1
55°	618.3	616.4	597.4	579.7	573.6
57.5°	565.8	563.5	539.7	519.3	513.7
60°	511.0	504.1	480.8	461.8	455.7
62.5°	459.1	444.2	419.1	404.3	397.3
65°	399.5	385.2	362.9	347.1	344.9
67.5°	341.2	324.0	306.8	297.0	289.6
70°	280.3	268.7	255.7	247.4	246.1
72.5°	223.6	215.4	208.8	203.7	199.5
75°	169.3	168.0	165.6	165.6	161.1
77.5°	124.5	127.7	129.5	129.0	130.0
80°	86.3	92.8	96.5	97.0	96.5
82.5°	54.8	62.2	68.3	69.1	70.2
85°	32.0	37.6	41.3	42.2	41.3
87.5°	14.3	18.0	19.1	19.9	19.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)