

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: P1050449

Luminaire Tested: PTR-14-40-PW1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050449
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-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

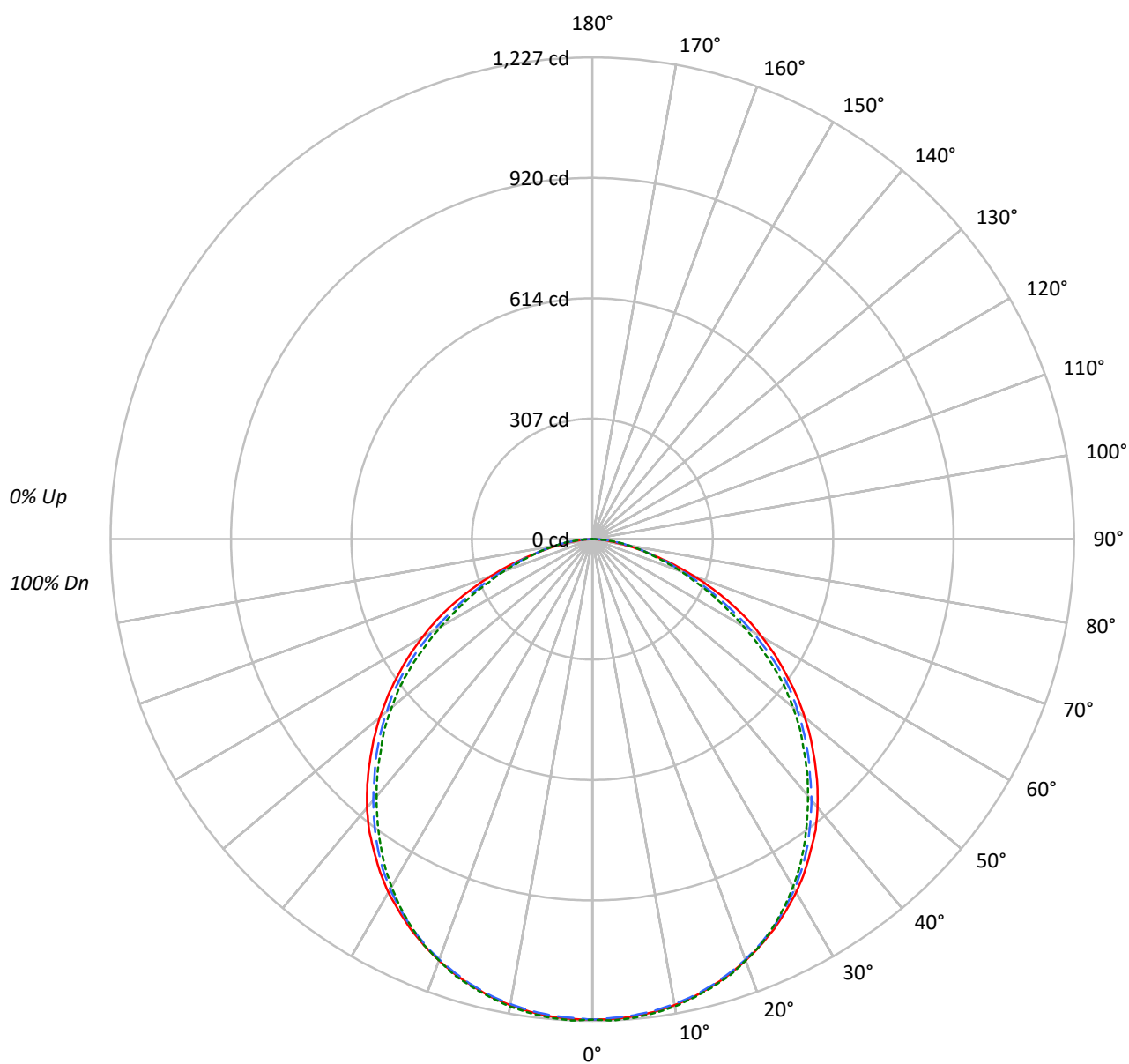
Lumens per Lamp: N/A
Luminaire Lumens: 3247.7 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3293	3293	3293
5°	3296	3289	3306
10°	3295	3287	3304
15°	3285	3279	3292
20°	3271	3263	3271
25°	3253	3239	3237
30°	3228	3200	3177
35°	3185	3137	3097
40°	3136	3051	3002
45°	3049	2959	2899
50°	2957	2861	2794
55°	2834	2738	2629
60°	2687	2528	2396
65°	2486	2258	2146
70°	2155	1965	1891
75°	1720	1682	1637
80°	1308	1461	1461
85°	966	1247	1247

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3049 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.1	3.6
10°-20°	332.9	10.2
20°-30°	503.1	15.5
30°-40°	597.4	18.4
40°-50°	601.8	18.5
50°-60°	520.2	16.0
60°-70°	355.6	10.9
70°-80°	175.3	5.4
80°-90°	45.3	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°	952.0	29.3
0°-40°	1549.4	47.7
0°-60°	2671.5	82.3
0°-90°	3247.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3247.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1224	1224	1224	1224	1224	
5°	1220	1221	1218	1222	1224	116
15°	1179	1180	1177	1181	1182	333
25°	1096	1095	1091	1092	1090	505
35°	970	966	955	946	943	607
45°	801	793	778	768	762	618
55°	604	602	584	566	560	540
65°	390	376	355	339	337	385
75°	165	164	162	162	157	180
85°	31	37	40	41	40	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1223.8	1223.8	1223.8	1223.8	1223.8
2.5°	1223.5	1223.8	1220.6	1226.1	1227.4
5°	1220.2	1220.6	1217.5	1222.5	1223.8
7.5°	1214.4	1215.2	1211.6	1216.5	1217.5
10°	1205.7	1206.1	1203.0	1208.0	1209.0
12.5°	1194.0	1194.3	1191.6	1196.1	1196.1
15°	1179.0	1180.3	1177.1	1181.3	1181.6
17.5°	1162.2	1162.6	1159.5	1164.0	1165.0
20°	1142.2	1142.2	1139.6	1143.2	1142.2
22.5°	1120.0	1120.0	1116.8	1118.7	1119.5
25°	1095.6	1094.6	1091.0	1092.0	1090.1
27.5°	1067.4	1067.4	1061.0	1061.0	1057.9
30°	1038.9	1036.6	1029.8	1025.7	1022.6
32.5°	1006.1	1003.0	994.4	987.2	984.9
35°	969.5	966.2	954.9	946.3	942.7
37.5°	934.1	926.9	911.9	903.3	899.2
40°	892.7	883.7	868.4	856.5	854.7
42.5°	848.4	841.2	821.2	812.5	810.4
45°	801.3	792.6	777.6	768.5	761.8
47.5°	755.0	748.6	731.4	720.6	718.3
50°	706.4	701.0	683.3	671.6	667.5
52.5°	656.1	652.5	637.5	622.5	617.6
55°	604.1	602.3	583.6	566.3	560.4
57.5°	552.8	550.5	527.3	507.3	501.9
60°	499.3	492.5	469.8	451.2	445.2
62.5°	448.5	434.0	409.5	395.0	388.2
65°	390.4	376.3	354.6	339.1	337.0
67.5°	333.3	316.5	299.7	290.2	282.9
70°	273.9	262.5	249.8	241.7	240.4
72.5°	218.5	210.4	204.0	199.0	194.9
75°	165.4	164.1	161.8	161.8	157.4
77.5°	121.6	124.7	126.5	126.1	127.0
80°	84.4	90.6	94.3	94.7	94.3
82.5°	53.6	60.8	66.7	67.6	68.5
85°	31.3	36.7	40.4	41.2	40.4
87.5°	14.0	17.6	18.6	19.4	18.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)