

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: P1046998

Luminaire Tested: 22PTR-45-PW1-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046998
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-PW1-L935-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

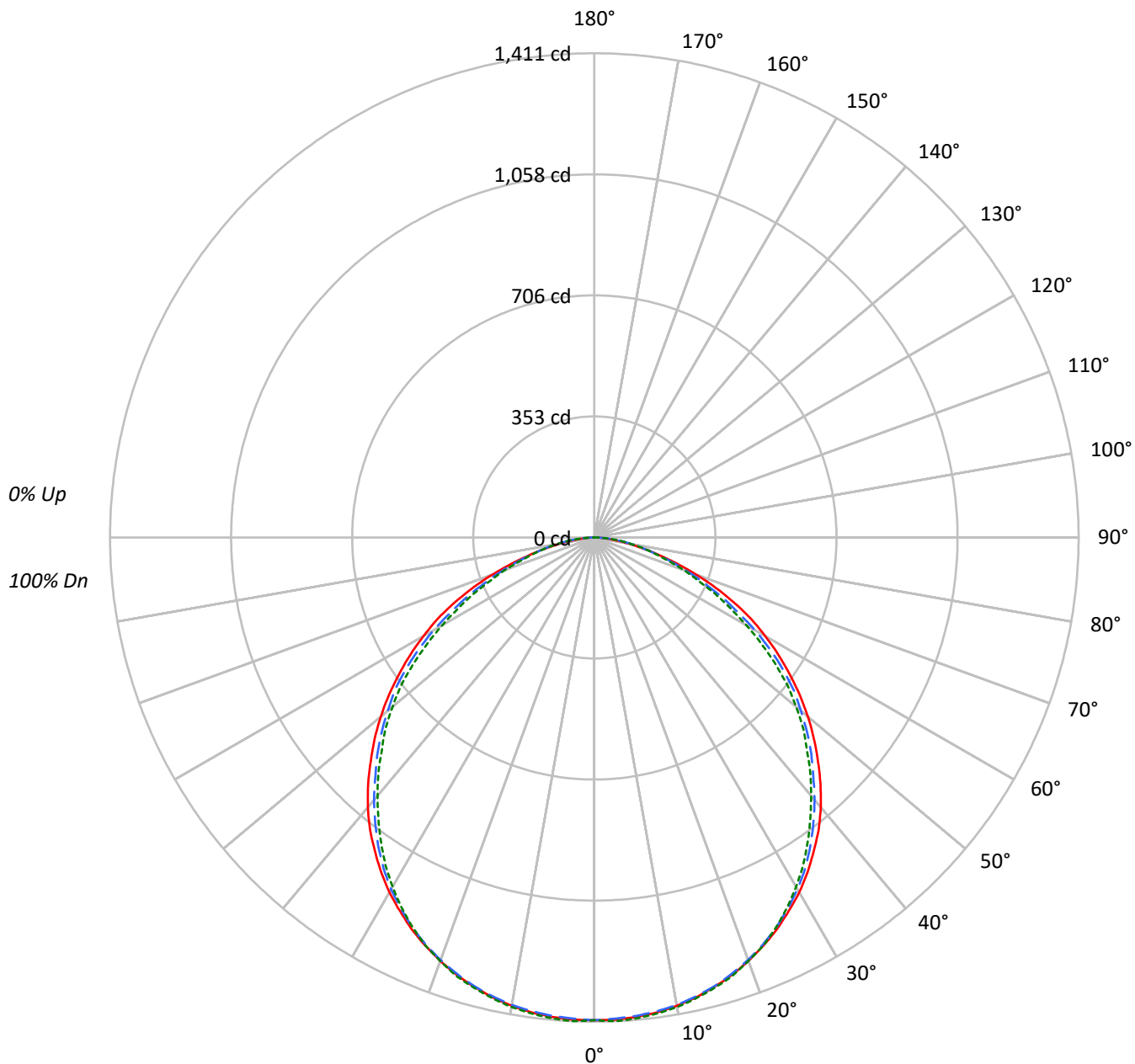
Lumens per Lamp: N/A
Luminaire Lumens: 3733.5 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 35
Input Voltage (V): 120
Input Current (A_{in}): 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°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	3.6
10°-20°	382.7	10.2
20°-30°	578.4	15.5
30°-40°	686.7	18.4
40°-50°	691.9	18.5
50°-60°	598.0	16.0
60°-70°	408.7	10.9
70°-80°	201.6	5.4
80°-90°	52.1	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°	1094.5	29.3
0°-40°	1781.2	47.7
0°-60°	3071.1	82.3
0°-90°	3733.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3733.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1407	1407	1407	1407	1407	
5°	1403	1403	1400	1405	1407	133
15°	1355	1357	1353	1358	1358	383
25°	1260	1258	1254	1255	1253	580
35°	1115	1111	1098	1088	1084	698
45°	921	911	894	884	876	711
55°	694	692	671	651	644	621
65°	449	433	408	390	387	443
75°	190	189	186	186	181	207
85°	36	42	46	47	46	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1406.9	1406.9	1406.9	1406.9	1406.9
2.5°	1406.5	1406.9	1403.3	1409.5	1411.0
5°	1402.7	1403.3	1399.7	1405.3	1406.9
7.5°	1396.1	1397.0	1392.8	1398.5	1399.7
10°	1386.0	1386.6	1383.0	1388.7	1389.8
12.5°	1372.6	1372.9	1369.9	1375.0	1375.0
15°	1355.3	1356.8	1353.2	1358.0	1358.4
17.5°	1336.0	1336.6	1333.0	1338.1	1339.2
20°	1313.1	1313.1	1310.1	1314.2	1313.1
22.5°	1287.5	1287.5	1283.9	1286.0	1287.0
25°	1259.5	1258.3	1254.2	1255.3	1253.2
27.5°	1227.1	1227.1	1219.7	1219.7	1216.1
30°	1194.3	1191.7	1183.9	1179.2	1175.6
32.5°	1156.6	1153.0	1143.2	1134.8	1132.2
35°	1114.6	1110.8	1097.7	1087.9	1083.7
37.5°	1073.8	1065.5	1048.3	1038.4	1033.7
40°	1026.3	1015.9	998.3	984.6	982.5
42.5°	975.3	967.0	944.1	934.1	931.6
45°	921.2	911.1	893.9	883.5	875.7
47.5°	867.9	860.6	840.9	828.4	825.7
50°	812.1	805.8	785.5	772.1	767.4
52.5°	754.3	750.1	732.9	715.6	710.0
55°	694.4	692.3	670.9	651.1	644.2
57.5°	635.5	632.9	606.2	583.2	577.0
60°	574.0	566.2	540.0	518.6	511.8
62.5°	515.6	498.9	470.7	454.1	446.3
65°	448.7	432.6	407.6	389.8	387.4
67.5°	383.2	363.9	344.6	333.6	325.2
70°	314.8	301.8	287.2	277.9	276.4
72.5°	251.2	241.9	234.5	228.8	224.1
75°	190.2	188.7	186.0	186.0	180.9
77.5°	139.8	143.4	145.5	144.9	146.0
80°	97.0	104.2	108.4	108.9	108.4
82.5°	61.6	69.9	76.7	77.7	78.8
85°	36.0	42.2	46.4	47.4	46.4
87.5°	16.1	20.3	21.4	22.4	21.4
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)