

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: P1046756

Luminaire Tested: 22PTR-35-PB1-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-PB1-L840-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

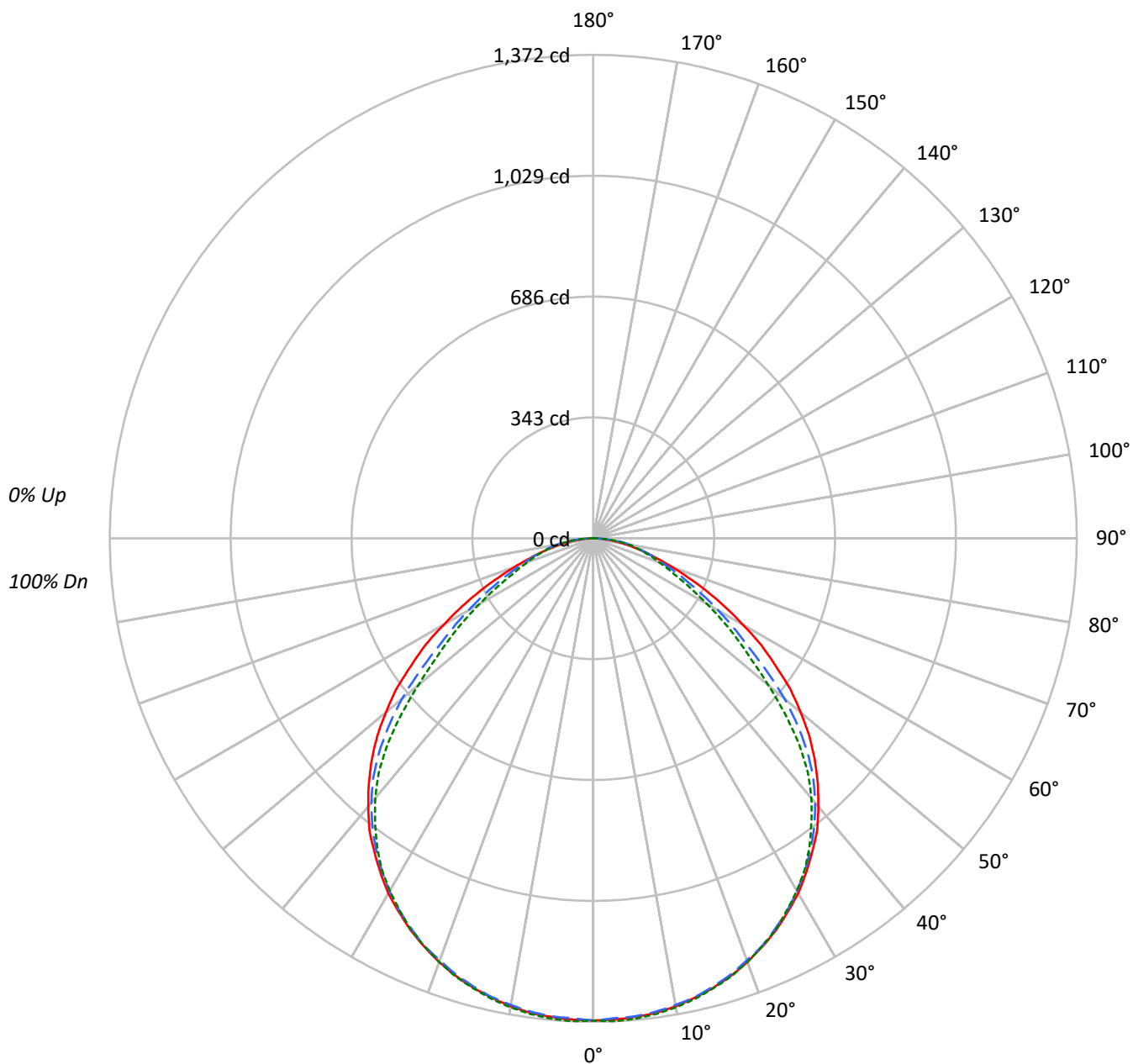
Lumens per Lamp: N/A
Luminaire Lumens: 3413.0 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

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°	129.8	3.8
10°-20°	372.4	10.9
20°-30°	564.1	16.5
30°-40°	672.2	19.7
40°-50°	657.3	19.3
50°-60°	497.2	14.6
60°-70°	305.5	9.0
70°-80°	162.7	4.8
80°-90°	51.9	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°	1066.3	31.2
0°-40°	1738.4	50.9
0°-60°	2892.9	84.8
0°-90°	3413.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3413.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1369	1369	1369	1369	1369	
5°	1364	1365	1362	1367	1369	130
15°	1320	1322	1317	1322	1322	373
25°	1227	1226	1222	1224	1226	565
35°	1084	1083	1076	1071	1069	678
45°	889	884	860	832	825	684
55°	631	599	537	507	498	565
65°	355	327	300	276	268	354
75°	152	153	155	150	146	162
85°	34	44	54	50	47	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1367.1	1368.7	1363.6	1370.5	1372.1
5°	1363.6	1365.4	1362.0	1367.1	1368.7
7.5°	1358.7	1358.7	1355.3	1360.2	1362.0
10°	1348.6	1348.6	1345.2	1350.2	1351.9
12.5°	1335.1	1335.1	1333.4	1336.7	1338.5
15°	1319.9	1321.5	1316.6	1321.5	1321.5
17.5°	1301.4	1299.8	1298.0	1301.4	1303.2
20°	1279.5	1279.5	1274.5	1277.9	1279.5
22.5°	1254.2	1254.2	1252.6	1254.2	1252.6
25°	1227.3	1225.6	1222.2	1224.0	1225.6
27.5°	1195.3	1195.3	1192.0	1192.0	1190.2
30°	1163.4	1161.6	1156.6	1153.3	1154.9
32.5°	1124.6	1122.9	1117.9	1114.6	1116.2
35°	1084.2	1082.6	1075.9	1070.7	1069.1
37.5°	1043.9	1038.7	1030.3	1023.5	1016.8
40°	993.3	988.2	979.9	964.7	962.9
42.5°	942.8	937.8	924.2	905.8	900.7
45°	888.9	883.9	860.2	831.6	824.9
47.5°	831.6	823.3	786.2	750.8	737.4
50°	767.8	752.6	708.8	663.3	648.1
52.5°	705.4	678.5	621.3	580.8	565.8
55°	631.3	599.4	537.1	506.7	498.3
57.5°	565.8	521.9	471.4	441.2	434.4
60°	489.9	449.5	409.2	382.1	372.1
62.5°	420.8	385.5	351.9	328.2	316.6
65°	355.3	326.6	299.8	276.1	267.8
67.5°	291.3	276.1	254.2	235.8	230.7
70°	237.4	228.9	213.9	205.4	198.7
72.5°	188.6	191.9	181.9	178.5	173.4
75°	151.5	153.2	154.8	149.9	146.5
77.5°	114.5	122.8	129.6	126.2	122.8
80°	85.9	94.2	106.0	101.1	101.1
82.5°	58.9	69.1	79.2	75.8	74.1
85°	33.8	43.8	53.9	50.5	47.2
87.5°	13.4	21.9	23.5	23.5	21.9
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)