

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: P1046798

Luminaire Tested: 22PTR-35-PC3-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046798
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-PC3-L840-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

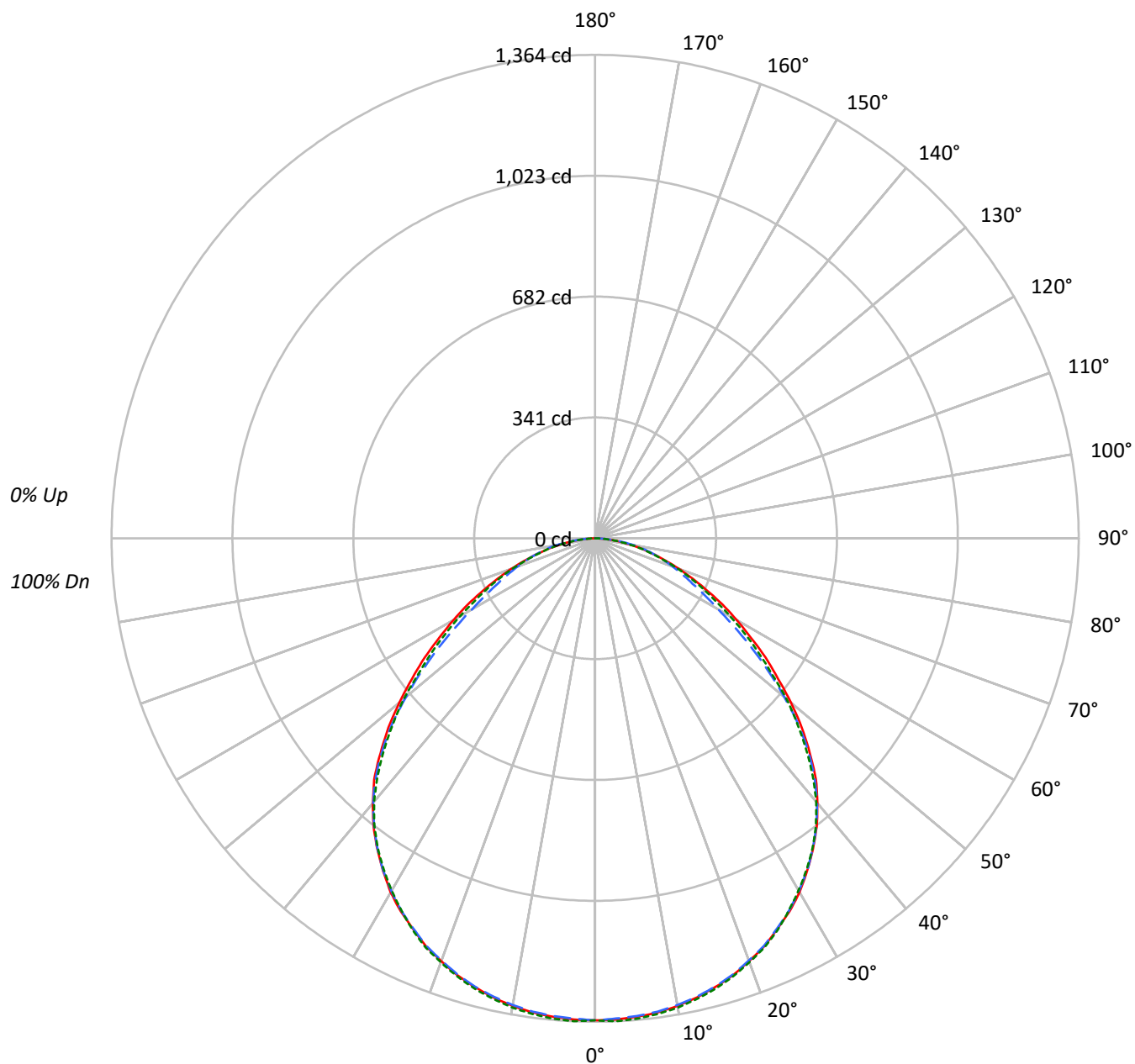
Lumens per Lamp: N/A
Luminaire Lumens: 3429.0 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
Input Voltage (V): 120
Input Current (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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	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°	129.0	3.8
10°-20°	370.3	10.8
20°-30°	560.6	16.3
30°-40°	668.4	19.5
40°-50°	653.1	19.0
50°-60°	499.4	14.6
60°-70°	320.6	9.4
70°-80°	178.4	5.2
80°-90°	49.3	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°	1059.9	30.9
0°-40°	1728.3	50.4
0°-60°	2880.7	84.0
0°-90°	3429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3429.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1360	1360	1360	1360	1360	
5°	1355	1356	1353	1359	1361	129
15°	1311	1312	1310	1314	1315	370
25°	1216	1218	1214	1218	1219	561
35°	1071	1072	1070	1070	1068	669
45°	856	858	850	848	841	659
55°	587	566	539	546	563	524
65°	348	322	303	313	334	347
75°	167	169	170	168	164	179
85°	36	43	43	42	36	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1360.1	1360.1	1360.1	1360.1	1360.1
2.5°	1359.2	1359.7	1356.2	1362.0	1364.0
5°	1355.3	1356.2	1352.8	1359.2	1360.6
7.5°	1349.5	1350.4	1347.0	1353.4	1353.9
10°	1339.8	1340.3	1337.3	1343.6	1344.5
12.5°	1326.7	1328.1	1324.7	1330.6	1330.9
15°	1310.9	1312.0	1309.5	1314.0	1315.4
17.5°	1292.6	1293.1	1290.6	1295.4	1295.9
20°	1269.6	1269.6	1267.6	1273.1	1273.1
22.5°	1246.3	1244.8	1244.3	1246.3	1249.3
25°	1216.2	1217.6	1214.3	1218.2	1219.0
27.5°	1187.0	1187.0	1184.0	1186.0	1183.5
30°	1153.5	1151.5	1149.6	1149.9	1147.6
32.5°	1113.0	1113.0	1112.1	1112.1	1109.1
35°	1071.3	1072.2	1070.2	1069.7	1068.3
37.5°	1026.4	1028.0	1024.4	1023.6	1022.5
40°	975.3	975.3	973.9	971.9	969.5
42.5°	922.3	922.3	916.1	911.1	907.8
45°	856.2	858.1	849.8	847.9	841.1
47.5°	790.4	789.0	777.9	776.5	772.6
50°	720.4	712.1	696.2	700.5	704.0
52.5°	650.4	640.2	616.9	621.6	627.5
55°	586.6	566.3	539.1	545.8	563.3
57.5°	520.0	492.8	465.6	478.3	500.0
60°	461.1	430.6	400.9	414.5	439.8
62.5°	404.8	372.2	348.4	361.5	382.8
65°	348.4	321.5	303.1	313.2	334.2
67.5°	296.8	278.7	266.2	271.0	287.9
70°	250.1	238.8	232.1	233.5	243.2
72.5°	205.7	202.9	200.4	200.4	201.3
75°	167.4	168.8	170.2	167.9	164.0
77.5°	131.9	136.6	140.2	135.2	130.4
80°	96.9	104.6	109.1	103.6	96.3
82.5°	66.1	74.9	76.4	73.0	64.7
85°	36.4	42.8	43.3	41.9	36.4
87.5°	13.6	16.1	17.5	16.1	14.1
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)