

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: P1046797

Luminaire Tested: 22PTR-35-PC3-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046797
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-L835-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

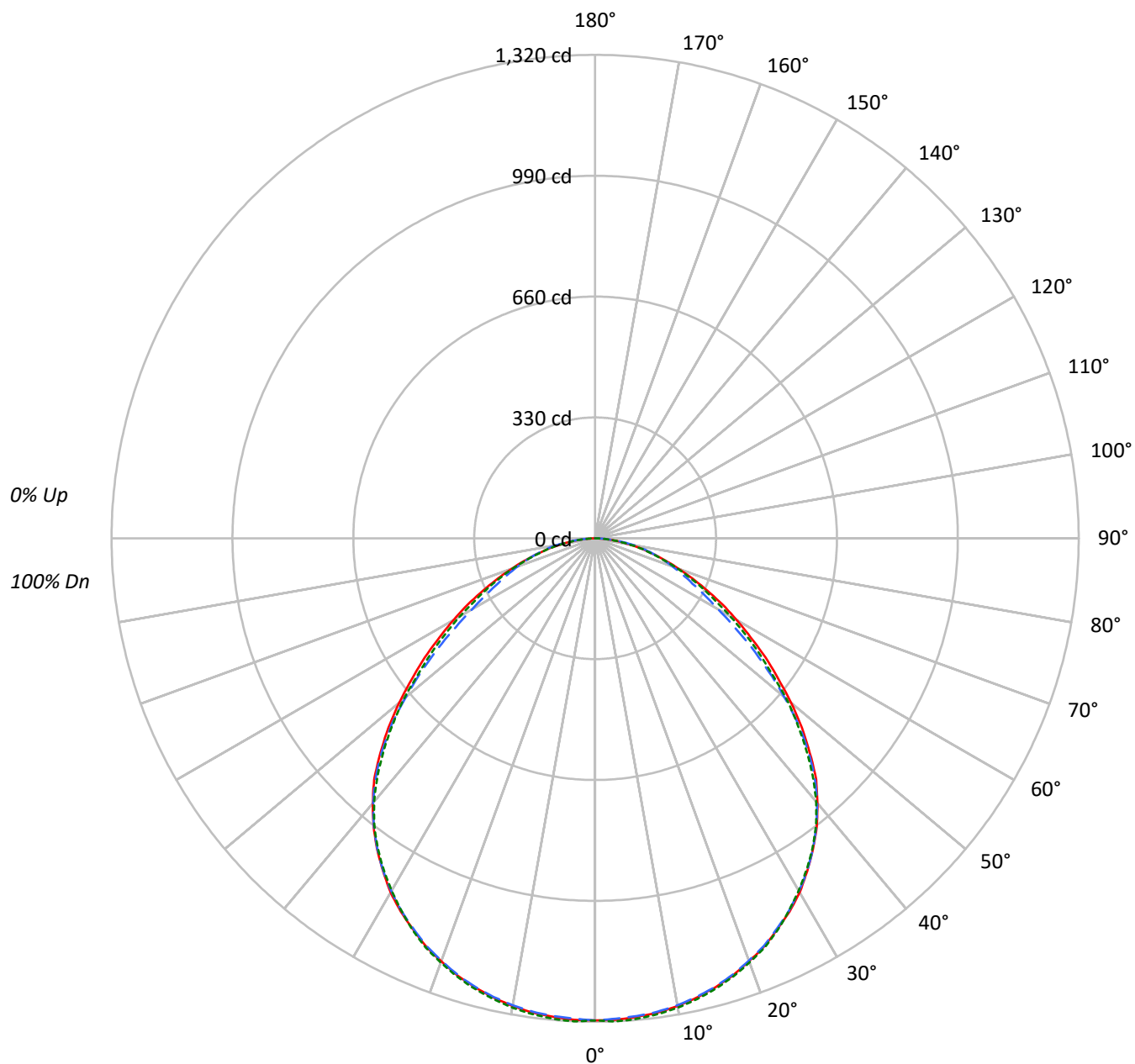
Lumens per Lamp: N/A
Luminaire Lumens: 3319.3 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

TEST NUMBER: P1046797

CATALOG NUMBER: 22PTR-35-PC3-L835-UNV-STD-W

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: -

TEST NUMBER: P1046797

CATALOG NUMBER: 22PTR-35-PC3-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.9	3.8
10°-20°	358.4	10.8
20°-30°	542.7	16.3
30°-40°	647.0	19.5
40°-50°	632.2	19.0
50°-60°	483.4	14.6
60°-70°	310.4	9.3
70°-80°	172.7	5.2
80°-90°	47.7	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°	1026.0	30.9
0°-40°	1673.0	50.4
0°-60°	2788.6	84.0
0°-90°	3319.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3319.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1317	1317	1317	1317	1317	
5°	1312	1313	1310	1316	1317	125
15°	1269	1270	1268	1272	1273	358
25°	1177	1179	1176	1179	1180	543
35°	1037	1038	1036	1036	1034	648
45°	829	831	823	821	814	638
55°	568	548	522	528	545	508
65°	337	311	293	303	324	336
75°	162	163	165	162	159	173
85°	35	41	42	41	35	43
90°	0	0	0	0	0	

TEST NUMBER: P1046797

CATALOG NUMBER: 22PTR-35-PC3-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1316.6	1316.6	1316.6	1316.6	1316.6
2.5°	1315.8	1316.3	1312.8	1318.5	1320.4
5°	1312.0	1312.8	1309.6	1315.8	1317.1
7.5°	1306.3	1307.2	1303.9	1310.1	1310.6
10°	1296.9	1297.4	1294.5	1300.7	1301.6
12.5°	1284.3	1285.6	1282.4	1288.0	1288.4
15°	1269.0	1270.1	1267.7	1272.0	1273.3
17.5°	1251.2	1251.8	1249.4	1254.0	1254.5
20°	1229.0	1229.0	1227.1	1232.4	1232.4
22.5°	1206.4	1205.1	1204.5	1206.4	1209.3
25°	1177.3	1178.7	1175.5	1179.2	1180.1
27.5°	1149.1	1149.1	1146.2	1148.1	1145.7
30°	1116.6	1114.7	1112.8	1113.2	1110.9
32.5°	1077.4	1077.4	1076.6	1076.6	1073.6
35°	1037.0	1037.9	1036.0	1035.5	1034.1
37.5°	993.6	995.1	991.7	990.8	989.8
40°	944.1	944.1	942.8	940.9	938.5
42.5°	892.8	892.8	886.8	882.0	878.8
45°	828.8	830.7	822.6	820.8	814.3
47.5°	765.2	763.8	753.0	751.6	747.9
50°	697.4	689.4	674.0	678.1	681.5
52.5°	629.6	619.7	597.1	601.8	607.4
55°	567.9	548.2	521.9	528.4	545.3
57.5°	503.4	477.0	450.7	463.0	484.0
60°	446.4	416.8	388.1	401.2	425.7
62.5°	391.8	360.3	337.2	349.9	370.6
65°	337.2	311.2	293.4	303.2	323.5
67.5°	287.3	269.8	257.7	262.3	278.7
70°	242.1	231.2	224.7	226.0	235.4
72.5°	199.2	196.4	194.0	194.0	194.9
75°	162.0	163.4	164.8	162.5	158.8
77.5°	127.6	132.3	135.7	130.9	126.3
80°	93.8	101.3	105.6	100.3	93.2
82.5°	64.0	72.5	73.9	70.7	62.6
85°	35.2	41.4	41.9	40.6	35.2
87.5°	13.2	15.6	16.9	15.6	13.7
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)