

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: P1050654

Luminaire Tested: 24PTR-35-PC3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PC3-L850-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

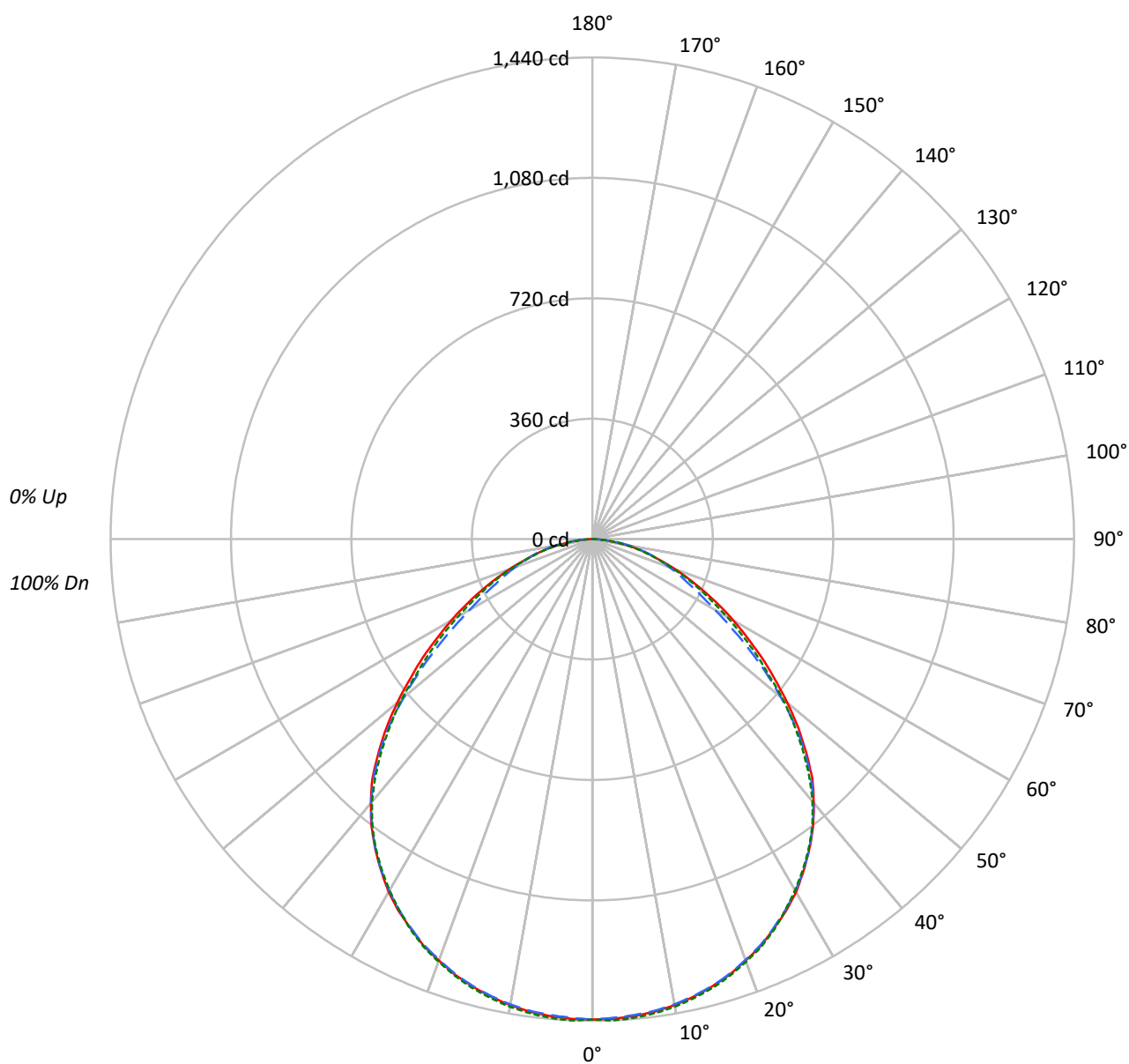
Lumens per Lamp: N/A
Luminaire Lumens: 3621.0 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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°	1933	1933	1933
5°	1933	1930	1941
10°	1933	1929	1940
15°	1928	1926	1935
20°	1920	1917	1925
25°	1907	1904	1911
30°	1892	1886	1883
35°	1858	1856	1853
40°	1809	1806	1798
45°	1720	1708	1690
50°	1593	1539	1556
55°	1453	1335	1396
60°	1311	1139	1250
65°	1171	1019	1124
70°	1039	964	1010
75°	919	934	900
80°	793	893	788
85°	593	706	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1724 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.2	3.8
10°-20°	391.0	10.8
20°-30°	592.0	16.3
30°-40°	705.8	19.5
40°-50°	689.7	19.0
50°-60°	527.3	14.6
60°-70°	338.6	9.4
70°-80°	188.4	5.2
80°-90°	52.0	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°	1119.2	30.9
0°-40°	1825.1	50.4
0°-60°	3042.0	84.0
0°-90°	3621.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3621.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1436	1436	1436	1436	1436	
5°	1431	1432	1429	1435	1437	136
15°	1384	1386	1383	1388	1389	391
25°	1284	1286	1282	1286	1287	592
35°	1131	1132	1130	1130	1128	707
45°	904	906	897	895	888	696
55°	620	598	569	576	595	554
65°	368	340	320	331	353	367
75°	177	178	180	177	173	189
85°	38	45	46	44	38	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1436.3	1436.3	1436.3	1436.3	1436.3
2.5°	1435.3	1435.9	1432.2	1438.3	1440.4
5°	1431.2	1432.2	1428.6	1435.3	1436.8
7.5°	1425.1	1426.0	1422.5	1429.2	1429.7
10°	1414.8	1415.4	1412.2	1418.9	1419.8
12.5°	1401.0	1402.5	1398.9	1405.1	1405.5
15°	1384.4	1385.5	1382.9	1387.6	1389.0
17.5°	1365.0	1365.5	1362.9	1368.0	1368.5
20°	1340.7	1340.7	1338.6	1344.4	1344.4
22.5°	1316.1	1314.6	1314.0	1316.1	1319.2
25°	1284.3	1285.8	1282.3	1286.4	1287.3
27.5°	1253.5	1253.5	1250.4	1252.4	1249.8
30°	1218.1	1216.0	1214.0	1214.3	1211.9
32.5°	1175.3	1175.3	1174.4	1174.4	1171.2
35°	1131.3	1132.2	1130.2	1129.6	1128.1
37.5°	1083.9	1085.6	1081.8	1080.9	1079.8
40°	1029.9	1029.9	1028.4	1026.4	1023.8
42.5°	973.9	973.9	967.4	962.2	958.6
45°	904.1	906.2	897.4	895.4	888.3
47.5°	834.7	833.2	821.4	820.0	815.8
50°	760.8	752.0	735.2	739.7	743.4
52.5°	686.9	676.0	651.4	656.4	662.6
55°	619.5	598.0	569.3	576.4	594.9
57.5°	549.1	520.4	491.6	505.1	528.0
60°	487.0	454.7	423.3	437.7	464.4
62.5°	427.4	393.1	367.9	381.7	404.3
65°	367.9	339.5	320.1	330.7	353.0
67.5°	313.4	294.3	281.1	286.1	304.1
70°	264.1	252.2	245.1	246.6	256.8
72.5°	217.3	214.3	211.7	211.7	212.6
75°	176.8	178.3	179.7	177.3	173.2
77.5°	139.2	144.3	148.0	142.8	137.7
80°	102.3	110.5	115.2	109.4	101.7
82.5°	69.8	79.1	80.6	77.1	68.3
85°	38.4	45.2	45.7	44.2	38.4
87.5°	14.4	17.0	18.5	17.0	14.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)