

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: P1050566

Luminaire Tested: 24PTR-35-PB1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PB1-L840-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

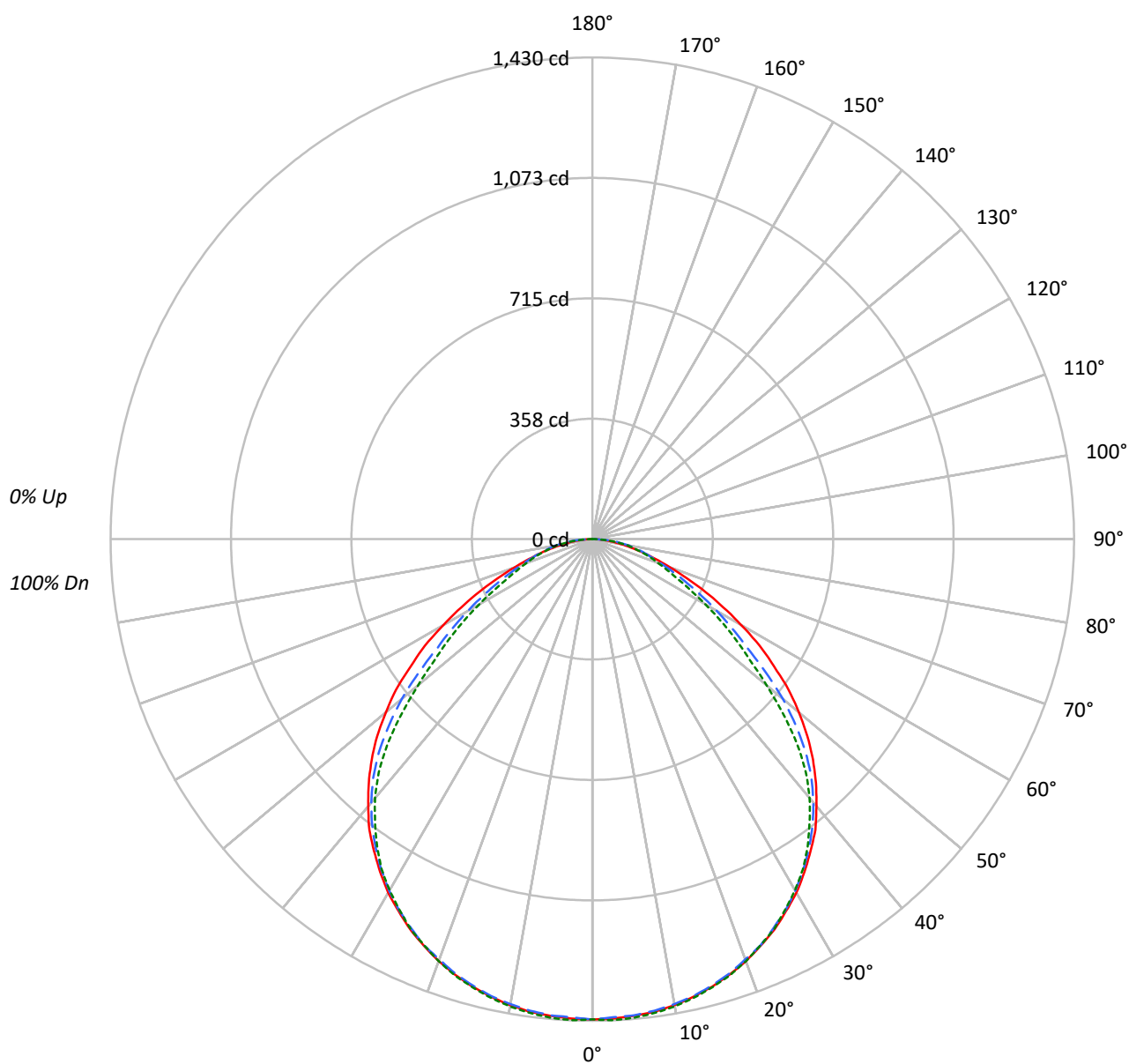
Lumens per Lamp: N/A
Luminaire Lumens: 3556.0 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050566

CATALOG NUMBER: 24PTR-35-PB1-L840-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	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°	1919	1919	1919
5°	1919	1917	1926
10°	1920	1915	1924
15°	1916	1911	1918
20°	1909	1901	1909
25°	1898	1890	1896
30°	1883	1872	1869
35°	1855	1841	1830
40°	1818	1793	1762
45°	1762	1705	1635
50°	1675	1546	1414
55°	1543	1313	1218
60°	1374	1147	1043
65°	1178	994	888
70°	973	876	814
75°	820	839	794
80°	693	856	816
85°	543	868	760

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1762 cd/sqm

TEST NUMBER: P1050566

CATALOG NUMBER: 24PTR-35-PB1-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.2	3.8
10°-20°	388.0	10.9
20°-30°	587.7	16.5
30°-40°	700.3	19.7
40°-50°	684.8	19.3
50°-60°	518.0	14.6
60°-70°	318.2	8.9
70°-80°	169.6	4.8
80°-90°	54.1	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°	1110.9	31.2
0°-40°	1811.3	50.9
0°-60°	3014.1	84.8
0°-90°	3556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3556.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1426	1426	1426	1426	1426	
5°	1421	1423	1419	1424	1426	135
15°	1375	1377	1372	1377	1377	388
25°	1279	1277	1273	1275	1277	589
35°	1130	1128	1121	1116	1114	707
45°	926	921	896	866	859	712
55°	658	624	560	528	519	589
65°	370	340	312	288	279	368
75°	158	160	161	156	153	169
85°	35	46	56	53	49	42
90°	0	0	0	0	0	

TEST NUMBER: P1050566

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1426.1	1426.1	1426.1	1426.1	1426.1
2.5°	1424.4	1426.1	1420.7	1427.9	1429.6
5°	1420.7	1422.6	1419.1	1424.4	1426.1
7.5°	1415.6	1415.6	1412.1	1417.2	1419.1
10°	1405.1	1405.1	1401.6	1406.8	1408.6
12.5°	1391.1	1391.1	1389.3	1392.8	1394.6
15°	1375.3	1376.9	1371.8	1376.9	1376.9
17.5°	1355.9	1354.3	1352.4	1355.9	1357.8
20°	1333.1	1333.1	1327.9	1331.4	1333.1
22.5°	1306.8	1306.8	1305.1	1306.8	1305.1
25°	1278.8	1276.9	1273.4	1275.3	1276.9
27.5°	1245.4	1245.4	1241.9	1241.9	1240.1
30°	1212.1	1210.3	1205.1	1201.6	1203.3
32.5°	1171.8	1169.9	1164.8	1161.3	1162.9
35°	1129.6	1127.9	1120.9	1115.6	1113.9
37.5°	1087.6	1082.3	1073.4	1066.4	1059.4
40°	1034.9	1029.6	1020.9	1005.1	1003.3
42.5°	982.3	977.1	962.9	943.8	938.4
45°	926.1	921.0	896.3	866.4	859.4
47.5°	866.4	857.8	819.1	782.3	768.3
50°	800.0	784.1	738.5	691.1	675.3
52.5°	735.0	707.0	647.3	605.1	589.5
55°	657.8	624.5	559.6	528.0	519.1
57.5°	589.5	543.8	491.1	459.6	452.7
60°	510.5	468.3	426.3	398.1	387.6
62.5°	438.5	401.6	366.7	342.0	329.8
65°	370.1	340.3	312.3	287.6	279.0
67.5°	303.5	287.6	264.8	245.7	240.3
70°	247.3	238.5	222.8	214.0	207.0
72.5°	196.5	200.0	189.5	186.0	180.7
75°	157.8	159.7	161.3	156.2	152.7
77.5°	119.3	128.0	135.0	131.5	128.0
80°	89.5	98.2	110.5	105.3	105.3
82.5°	61.3	72.0	82.5	79.0	77.2
85°	35.2	45.7	56.2	52.7	49.2
87.5°	14.0	22.8	24.5	24.5	22.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)