

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: P1050874

Luminaire Tested: 24PTR-35-PP3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050874
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PP3-L840-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

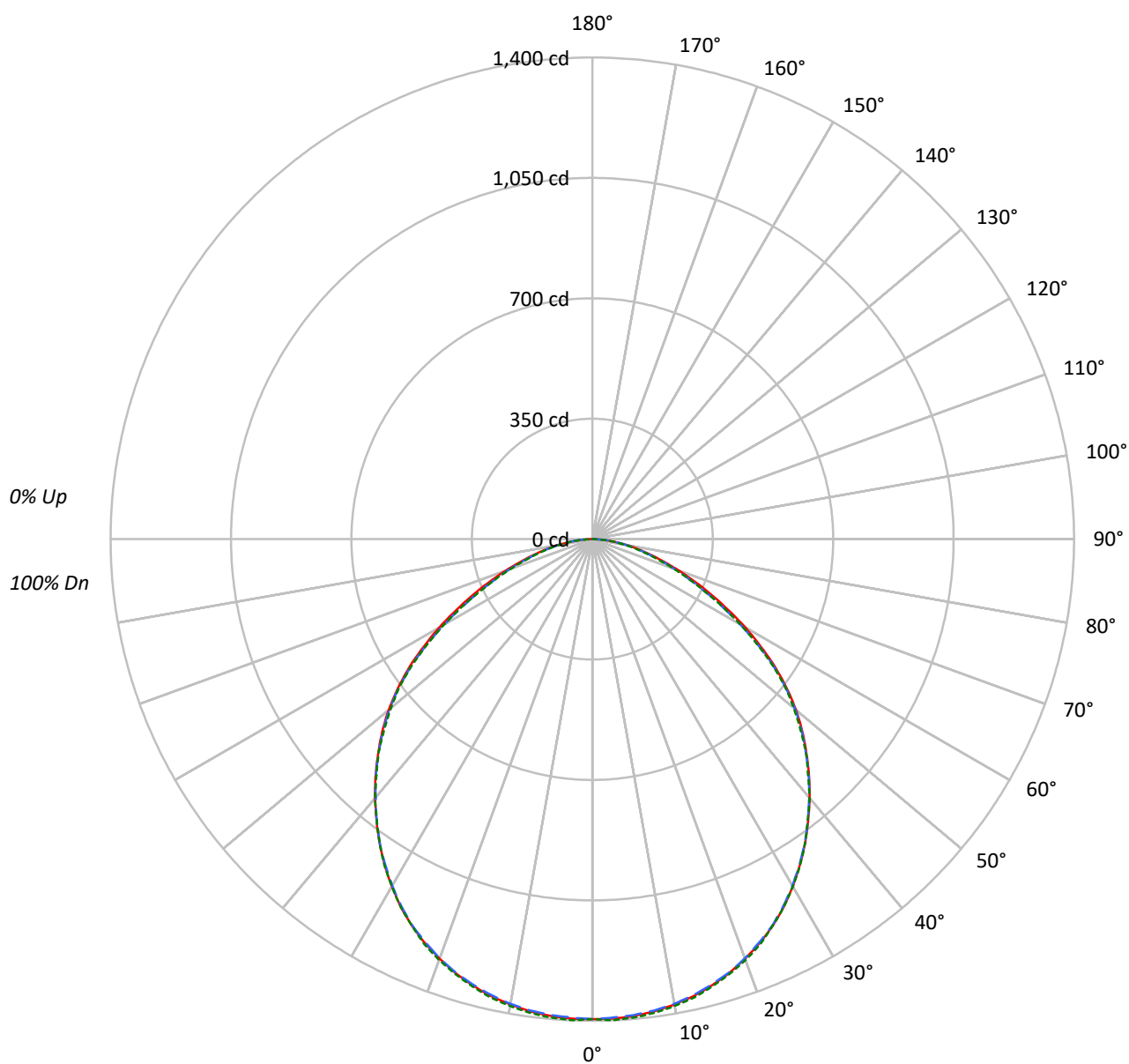
Lumens per Lamp: N/A
Luminaire Lumens: 3605.5 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050874

CATALOG NUMBER: 24PTR-35-PP3-L840-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050874

CATALOG NUMBER: 24PTR-35-PP3-L840-UNV-STD-W

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1877	1877	1877
5°	1879	1875	1885
10°	1877	1874	1883
15°	1870	1867	1875
20°	1858	1857	1864
25°	1842	1839	1841
30°	1811	1807	1811
35°	1771	1769	1770
40°	1726	1720	1725
45°	1674	1669	1671
50°	1618	1610	1599
55°	1523	1506	1501
60°	1382	1336	1338
65°	1214	1153	1152
70°	1050	1002	991
75°	908	874	855
80°	804	793	757
85°	665	687	648

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1680 cd/sqm

TEST NUMBER: P1050874

CATALOG NUMBER: 24PTR-35-PP3-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.3	3.7
10°-20°	379.1	10.5
20°-30°	570.8	15.8
30°-40°	673.7	18.7
40°-50°	677.5	18.8
50°-60°	572.0	15.9
60°-70°	367.3	10.2
70°-80°	182.7	5.1
80°-90°	50.1	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°	1082.2	30.0
0°-40°	1755.9	48.7
0°-60°	3005.4	83.4
0°-90°	3605.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3605.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1395	1395	1395	1395	1395	
5°	1391	1392	1388	1395	1396	132
15°	1343	1343	1340	1346	1346	379
25°	1240	1241	1238	1241	1240	571
35°	1078	1079	1077	1078	1078	674
45°	880	883	877	878	878	679
55°	649	649	642	639	640	578
65°	381	376	362	358	362	380
75°	175	174	168	167	164	189
85°	43	44	44	42	42	51
90°	0	0	0	0	0	

TEST NUMBER: P1050874

CATALOG NUMBER: 24PTR-35-PP3-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1395.4	1395.4	1395.4	1395.4	1395.4
2.5°	1394.9	1395.4	1391.8	1398.4	1399.5
5°	1391.4	1391.8	1388.3	1394.9	1395.8
7.5°	1384.2	1384.8	1381.6	1387.7	1388.8
10°	1373.5	1375.2	1371.5	1377.2	1378.1
12.5°	1360.5	1361.0	1357.3	1364.0	1365.1
15°	1342.8	1343.2	1340.2	1346.3	1346.3
17.5°	1322.4	1322.9	1320.9	1326.1	1325.5
20°	1297.7	1299.2	1296.6	1300.1	1302.1
22.5°	1270.8	1271.4	1268.3	1272.9	1274.9
25°	1240.5	1240.8	1238.5	1240.8	1239.9
27.5°	1205.0	1205.9	1202.4	1205.0	1205.5
30°	1165.4	1168.0	1163.0	1165.0	1165.4
32.5°	1122.9	1124.3	1120.8	1121.4	1124.0
35°	1078.3	1078.9	1076.9	1077.8	1077.8
37.5°	1030.3	1032.3	1029.2	1030.7	1028.6
40°	982.6	980.6	979.5	980.6	982.1
42.5°	932.4	932.9	931.5	930.4	928.0
45°	879.7	882.9	877.2	878.3	878.3
47.5°	828.2	828.6	825.6	822.5	820.5
50°	773.0	773.0	769.3	766.9	763.8
52.5°	712.6	711.7	707.7	705.1	706.6
55°	649.3	648.8	641.8	639.2	639.7
57.5°	579.9	581.0	570.4	567.8	567.8
60°	513.7	508.5	496.4	492.9	497.3
62.5°	444.1	438.0	425.0	425.0	428.5
65°	381.3	375.8	362.2	358.5	361.7
67.5°	322.6	317.5	305.0	302.9	303.9
70°	266.9	262.5	254.7	250.1	251.8
72.5°	218.8	214.8	209.6	206.1	204.1
75°	174.7	173.7	168.2	166.6	164.5
77.5°	138.2	137.9	133.3	131.2	129.2
80°	103.8	103.3	102.3	99.2	97.7
82.5°	74.0	74.0	73.4	70.9	69.4
85°	43.1	44.5	44.5	42.0	42.0
87.5°	17.3	18.2	17.3	17.3	16.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)