

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: P1050581

Luminaire Tested: 24PTR-60-PB1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050581
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-60-PB1-L850-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

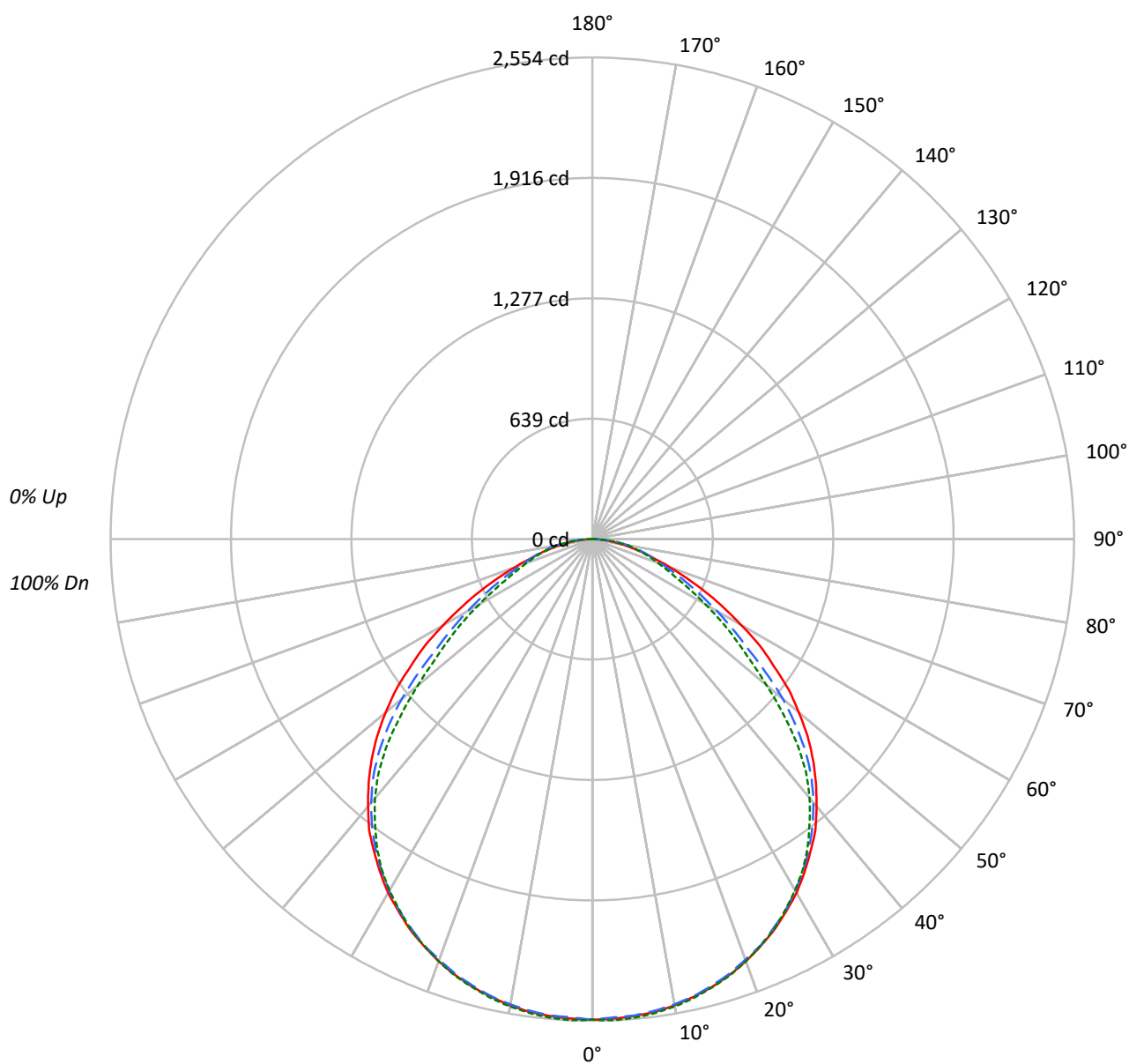
Lumens per Lamp: N/A
Luminaire Lumens: 6353.5 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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: P1050581

CATALOG NUMBER: 24PTR-60-PB1-L850-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050581

CATALOG NUMBER: 24PTR-60-PB1-L850-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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3428	3428	3428
5°	3428	3425	3441
10°	3430	3421	3438
15°	3423	3414	3427
20°	3410	3397	3410
25°	3392	3378	3387
30°	3365	3345	3340
35°	3315	3290	3269
40°	3248	3204	3148
45°	3149	3047	2922
50°	2992	2762	2525
55°	2757	2346	2176
60°	2454	2050	1864
65°	2105	1777	1587
70°	1738	1566	1455
75°	1466	1498	1418
80°	1239	1530	1458
85°	969	1550	1355

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3149 cd/sqm

TEST NUMBER: P1050581

CATALOG NUMBER: 24PTR-60-PB1-L850-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.6	3.8
10°-20°	693.2	10.9
20°-30°	1050.1	16.5
30°-40°	1251.3	19.7
40°-50°	1223.6	19.3
50°-60°	925.5	14.6
60°-70°	568.6	8.9
70°-80°	302.9	4.8
80°-90°	96.7	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°	1984.9	31.2
0°-40°	3236.2	50.9
0°-60°	5385.3	84.8
0°-90°	6353.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6353.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2548	2548	2548	2548	2548	
5°	2538	2542	2536	2545	2548	242
15°	2457	2460	2451	2460	2460	693
25°	2285	2282	2275	2278	2282	1052
35°	2018	2015	2003	1993	1990	1262
45°	1655	1646	1601	1548	1536	1273
55°	1175	1116	1000	943	928	1052
65°	661	608	558	514	498	658
75°	282	285	288	279	273	302
85°	63	82	100	94	88	75
90°	0	0	0	0	0	

TEST NUMBER: P1050581

CATALOG NUMBER: 24PTR-60-PB1-L850-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2548.0	2548.0	2548.0	2548.0	2548.0
2.5°	2545.0	2548.0	2538.4	2551.3	2554.2
5°	2538.4	2541.7	2535.5	2545.0	2548.0
7.5°	2529.2	2529.2	2523.0	2532.2	2535.5
10°	2510.5	2510.5	2504.2	2513.4	2516.7
12.5°	2485.5	2485.5	2482.2	2488.4	2491.7
15°	2457.2	2460.1	2450.9	2460.1	2460.1
17.5°	2422.6	2419.7	2416.4	2422.6	2425.9
20°	2381.8	2381.8	2372.6	2378.9	2381.8
22.5°	2334.8	2334.8	2331.8	2334.8	2331.8
25°	2284.8	2281.5	2275.2	2278.5	2281.5
27.5°	2225.2	2225.2	2218.9	2218.9	2215.7
30°	2165.6	2162.4	2153.1	2146.9	2149.9
32.5°	2093.6	2090.3	2081.1	2074.8	2077.8
35°	2018.2	2015.3	2002.8	1993.2	1990.3
37.5°	1943.2	1933.7	1917.9	1905.4	1892.9
40°	1849.1	1839.6	1824.1	1795.8	1792.5
42.5°	1755.0	1745.8	1720.5	1686.3	1676.7
45°	1654.7	1645.5	1601.4	1548.1	1535.6
47.5°	1548.1	1532.6	1463.5	1397.7	1372.7
50°	1429.3	1401.0	1319.4	1234.8	1206.5
52.5°	1313.1	1263.1	1156.5	1081.2	1053.2
55°	1175.3	1115.7	999.9	943.3	927.5
57.5°	1053.2	971.6	877.5	821.2	808.7
60°	912.1	836.7	761.7	711.4	692.6
62.5°	783.4	717.6	655.1	611.0	589.3
65°	661.3	608.0	558.0	513.9	498.5
67.5°	542.2	513.9	473.1	438.9	429.4
70°	441.9	426.1	398.1	382.3	369.8
72.5°	351.1	357.3	338.6	332.3	322.8
75°	282.0	285.3	288.2	279.0	272.8
77.5°	213.2	228.7	241.2	234.9	228.7
80°	159.9	175.4	197.4	188.2	188.2
82.5°	109.6	128.6	147.4	141.2	137.9
85°	62.8	81.6	100.4	94.1	87.8
87.5°	25.0	40.8	43.8	43.8	40.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)