

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: P1050586

Luminaire Tested: 24PTR-20-PB1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050586
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-20-PB1-L930-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

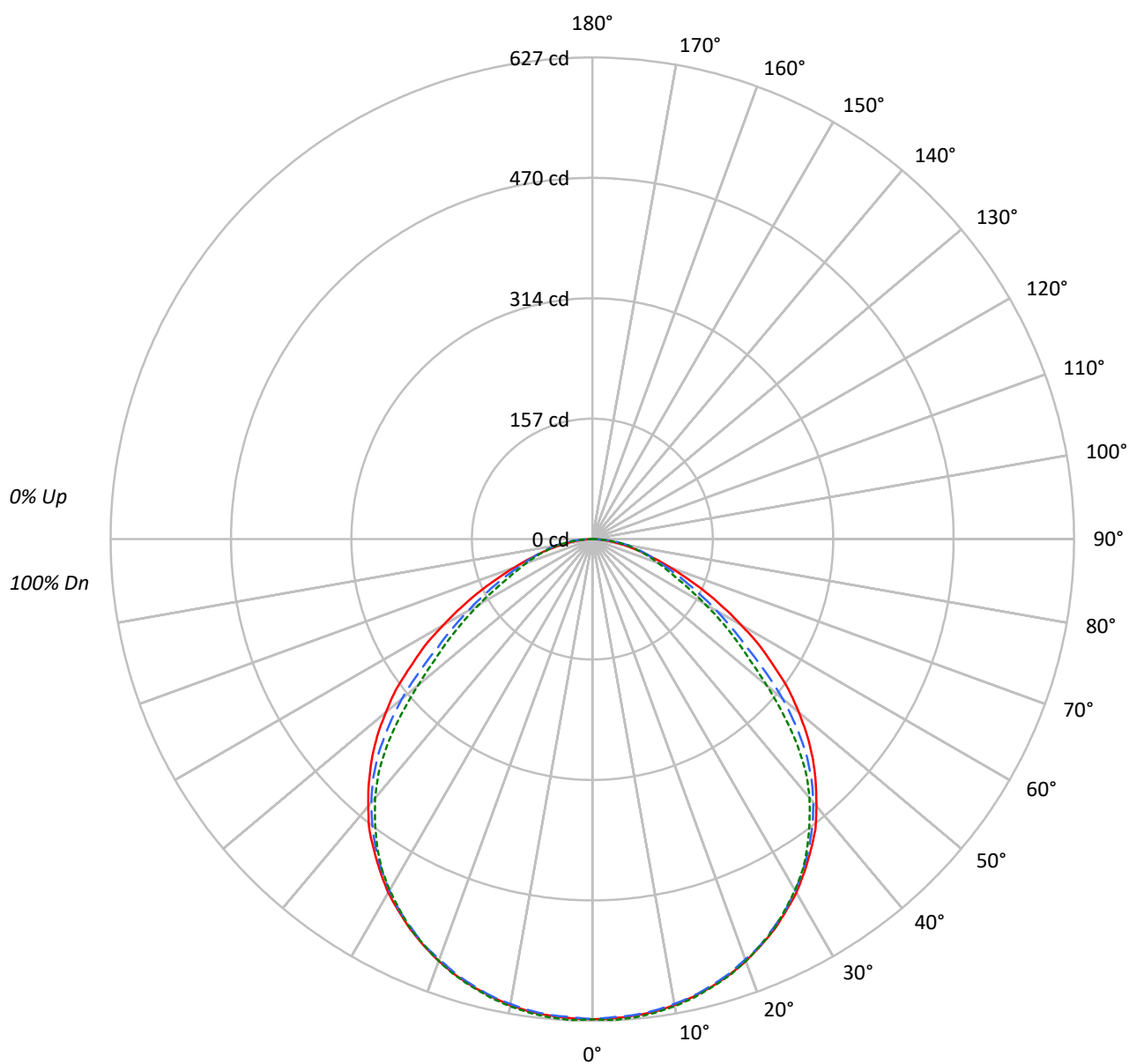
Lumens per Lamp: N/A
Luminaire Lumens: 1558.8 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 15
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: P1050586

CATALOG NUMBER: 24PTR-20-PB1-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050586

CATALOG NUMBER: 24PTR-20-PB1-L930-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	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°	841	841	841
5°	841	840	844
10°	841	839	844
15°	840	838	841
20°	837	833	837
25°	832	829	831
30°	825	821	820
35°	813	807	802
40°	797	786	772
45°	773	748	717
50°	734	678	620
55°	676	575	534
60°	602	503	457
65°	517	436	389
70°	426	384	357
75°	360	368	348
80°	304	375	358
85°	238	380	333

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 773 cd/sqm

TEST NUMBER: P1050586

CATALOG NUMBER: 24PTR-20-PB1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	3.8
10°-20°	170.1	10.9
20°-30°	257.6	16.5
30°-40°	307.0	19.7
40°-50°	300.2	19.3
50°-60°	227.1	14.6
60°-70°	139.5	9.0
70°-80°	74.3	4.8
80°-90°	23.7	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°	487.0	31.2
0°-40°	794.0	50.9
0°-60°	1321.2	84.8
0°-90°	1558.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1558.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	625	625	625	625	625	
5°	623	624	622	624	625	59
15°	603	604	601	604	604	170
25°	560	560	558	559	560	258
35°	495	494	491	489	488	310
45°	406	404	393	380	377	312
55°	288	274	245	231	228	258
65°	162	149	137	126	122	161
75°	69	70	71	68	67	74
85°	15	20	25	23	22	18
90°	0	0	0	0	0	

TEST NUMBER: P1050586

CATALOG NUMBER: 24PTR-20-PB1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	625.1	625.1	625.1	625.1	625.1
2.5°	624.4	625.1	622.8	625.9	626.7
5°	622.8	623.6	622.1	624.4	625.1
7.5°	620.5	620.5	619.0	621.3	622.1
10°	615.9	615.9	614.4	616.7	617.5
12.5°	609.8	609.8	609.0	610.5	611.3
15°	602.8	603.6	601.3	603.6	603.6
17.5°	594.4	593.6	592.8	594.4	595.2
20°	584.4	584.4	582.1	583.6	584.4
22.5°	572.8	572.8	572.1	572.8	572.1
25°	560.5	559.7	558.2	559.0	559.7
27.5°	545.9	545.9	544.4	544.4	543.6
30°	531.3	530.5	528.3	526.7	527.5
32.5°	513.6	512.8	510.6	509.0	509.8
35°	495.2	494.4	491.4	489.0	488.3
37.5°	476.8	474.4	470.5	467.5	464.4
40°	453.7	451.3	447.5	440.6	439.8
42.5°	430.6	428.3	422.1	413.7	411.4
45°	406.0	403.7	392.9	379.8	376.7
47.5°	379.8	376.0	359.1	342.9	336.8
50°	350.7	343.7	323.7	303.0	296.0
52.5°	322.2	309.9	283.7	265.3	258.4
55°	288.3	273.7	245.3	231.4	227.6
57.5°	258.4	238.4	215.3	201.5	198.4
60°	223.8	205.3	186.9	174.5	169.9
62.5°	192.2	176.1	160.7	149.9	144.6
65°	162.3	149.2	136.9	126.1	122.3
67.5°	133.0	126.1	116.1	107.7	105.3
70°	108.4	104.5	97.7	93.8	90.7
72.5°	86.1	87.7	83.1	81.5	79.2
75°	69.2	70.0	70.7	68.5	66.9
77.5°	52.3	56.1	59.2	57.6	56.1
80°	39.2	43.0	48.4	46.2	46.2
82.5°	26.9	31.6	36.2	34.6	33.8
85°	15.4	20.0	24.6	23.1	21.6
87.5°	6.1	10.0	10.7	10.7	10.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)