

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: PrentaLux

Report Number: P1244820

Luminaire Tested: PRLX-MIN-L-930-16L-U-OW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-L-930-16L-U-OW
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, OPEN WEAVE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

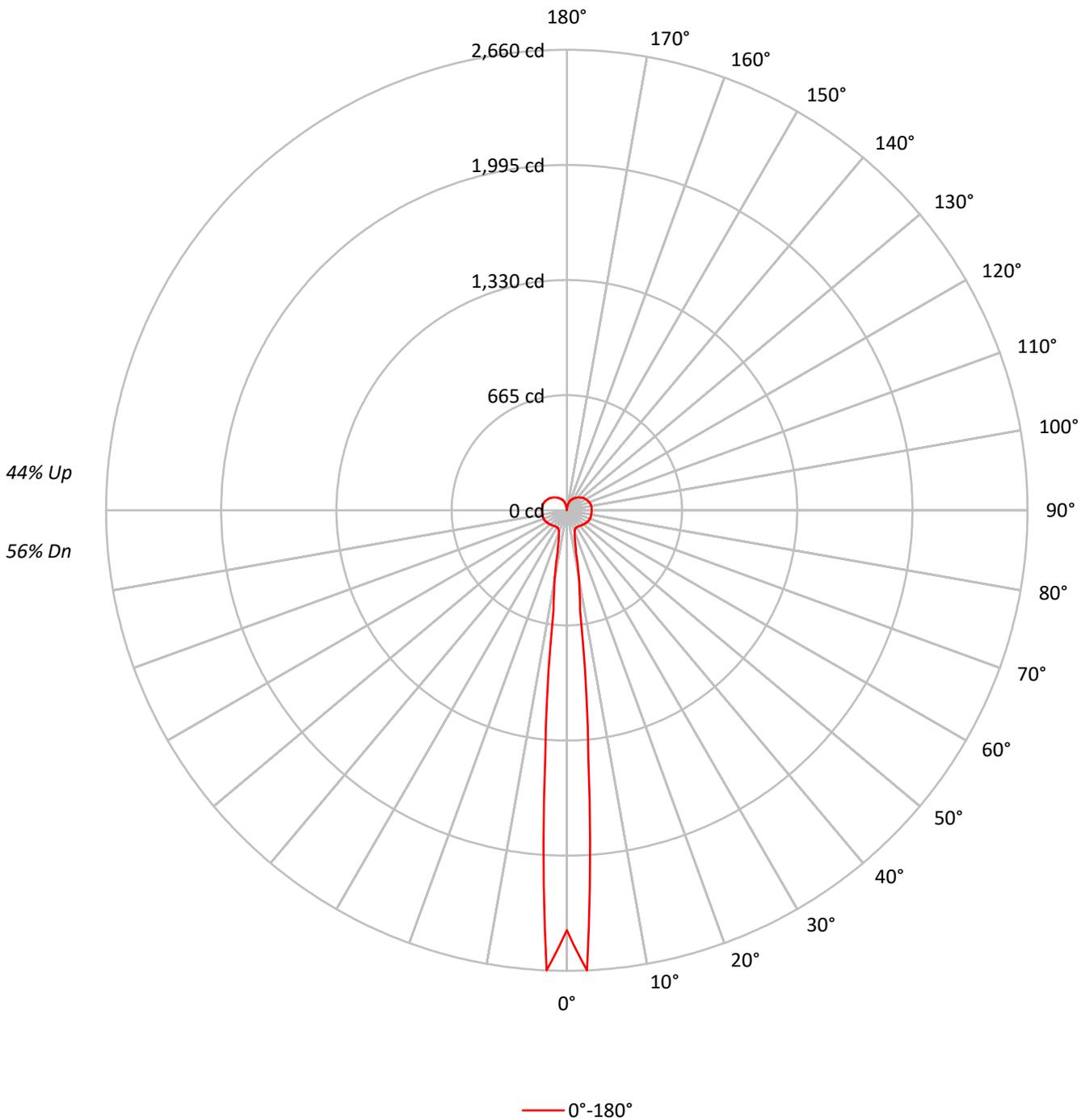
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1672.9 lumens
Efficiency: N/A
Efficacy: 43.1 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 38.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

TEST NUMBER: P1244820
CATALOG NUMBER: PRLX-MIN-L-930-16L-U-OW

Luminous Intensity Polar Plot





TEST NUMBER: P1244820

CATALOG NUMBER: PRLX-MIN-L-930-16L-U-OW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56
1	95	89	83	78	88	82	77	73	70	66	63	59	56	53	48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50	50	46	42	41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41	43	39	35	36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35	39	34	30	32	28	25	21
5	65	52	43	37	60	48	40	34	41	35	30	35	30	26	29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26	32	27	23	27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24	29	24	21	25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21	27	22	19	23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20	26	21	17	22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18	24	19	16	21	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	76718
5°	35181
10°	8201
15°	3132
20°	2022
25°	1610
30°	1430
35°	1336
40°	1293
45°	1271
50°	1261
55°	1269
60°	1278
65°	1297
70°	1310
75°	1323
80°	1325
85°	1352

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1383 cd/sqm

TEST NUMBER: P1244820

CATALOG NUMBER: PRLX-MIN-L-930-16L-U-OW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.3	6.1
10°-20°	56.3	3.4
20°-30°	54.9	3.3
30°-40°	72.0	4.3
40°-50°	94.4	5.6
50°-60°	117.5	7.0
60°-70°	138.2	8.3
70°-80°	151.2	9.0
80°-90°	156.4	9.3
90°-100°	156.6	9.4
100°-110°	148.9	8.9
110°-120°	131.7	7.9
120°-130°	108.4	6.5
130°-140°	81.8	4.9
140°-150°	55.3	3.3
150°-160°	32.4	1.9
160°-170°	13.3	0.8
170°-180°	1.3	0.1
0°-30°	213.5	12.8
0°-40°	285.5	17.1
0°-60°	497.5	29.7
0°-90°	943.2	56.4
90°-120°	437.1	26.1
90°-150°	682.7	40.8
90°-180°	730.0	43.6
0°-180°	1672.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2425	
5°	1426	102
15°	180	56
25°	117	55
35°	114	72
45°	122	94
55°	131	118
65°	139	138
75°	144	151
85°	144	117
90°	144	79
95°	144	117
105°	141	149
115°	133	132
125°	121	108
135°	106	82
145°	87	55
155°	70	32
165°	47	13
175°	7	1
180°	1	

TEST NUMBER: P1244820

CATALOG NUMBER: PRLX-MIN-L-930-16L-U-OW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2425.0
2.5°	2660.2
5°	1426.3
7.5°	580.4
10°	403.2
12.5°	247.0
15°	179.8
17.5°	149.5
20°	131.9
22.5°	122.6
25°	116.8
27.5°	114.2
30°	113.4
32.5°	113.4
35°	114.2
37.5°	115.1
40°	117.6
42.5°	119.3
45°	121.8
47.5°	124.3
50°	126.0
52.5°	128.5
55°	131.0
57.5°	133.6
60°	135.2
62.5°	137.8
65°	139.4
67.5°	141.1
70°	142.0
72.5°	142.8
75°	143.6
77.5°	142.8
80°	142.8
82.5°	142.8
85°	143.6
87.5°	143.6
90°	143.6
92.5°	143.6
95°	143.6
97.5°	143.6
100°	142.8
102.5°	142.0
105°	141.1
107.5°	139.4
110°	137.8

TEST NUMBER: P1244820

CATALOG NUMBER: PRLX-MIN-L-930-16L-U-OW

CANDELA DISTRIBUTION (continued):

	0°
112.5°	135.2
115°	132.7
117.5°	130.2
120°	126.8
122.5°	124.3
125°	121.0
127.5°	117.6
130°	113.4
132.5°	110.0
135°	105.8
137.5°	100.8
140°	96.6
142.5°	92.4
145°	87.4
147.5°	83.2
150°	79.0
152.5°	73.9
155°	69.7
157.5°	64.7
160°	59.6
162.5°	53.8
165°	47.0
167.5°	37.8
170°	26.0
172.5°	16.0
175°	6.7
177.5°	1.7
180°	0.8



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	8.5	9.5	9.3	10.4	11.6	8.5	9.5	9.3	10.4	11.6
	3H	11.5	12.4	12.3	13.3	14.5	11.5	12.4	12.3	13.3	14.5
	4H	12.9	13.8	13.8	14.7	15.9	12.9	13.8	13.8	14.7	15.9
	6H	14.3	15.1	15.2	16.1	17.3	14.3	15.1	15.2	16.1	17.3
	8H	14.9	15.8	15.9	16.7	17.9	14.9	15.8	15.9	16.7	17.9
	12H	15.6	16.4	16.5	17.3	18.6	15.6	16.4	16.5	17.3	18.6
4H	2H	9.2	10.1	10.1	11.1	12.3	9.2	10.1	10.1	11.1	12.3
	3H	12.4	13.2	13.3	14.2	15.4	12.4	13.2	13.3	14.2	15.4
	4H	14.0	14.7	14.9	15.7	16.9	14.0	14.7	14.9	15.7	16.9
	6H	15.5	16.2	16.5	17.2	18.4	15.5	16.2	16.5	17.2	18.4
	8H	16.3	16.9	17.2	17.9	19.1	16.3	16.9	17.2	17.9	19.1
	12H	17.1	17.6	18.0	18.6	19.9	17.1	17.6	18.0	18.6	19.9
8H	4H	14.5	15.1	15.4	16.1	17.3	14.5	15.1	15.4	16.1	17.3
	6H	16.3	16.8	17.2	17.8	19.0	16.3	16.8	17.2	17.8	19.0
	8H	17.2	17.6	18.1	18.6	19.9	17.2	17.6	18.1	18.6	19.9
	12H	18.1	18.5	19.1	19.5	20.8	18.1	18.5	19.1	19.5	20.8
12H	4H	14.6	15.2	15.6	16.2	17.4	14.6	15.2	15.6	16.2	17.4
	6H	16.4	16.9	17.4	17.9	19.2	16.4	16.9	17.4	17.9	19.2
	8H	17.4	17.9	18.4	18.9	20.2	17.4	17.9	18.4	18.9	20.2

(END OF REPORT)