

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: P1245299

Luminaire Tested: PRLX-UNA-L-927-16L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-L-927-16L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

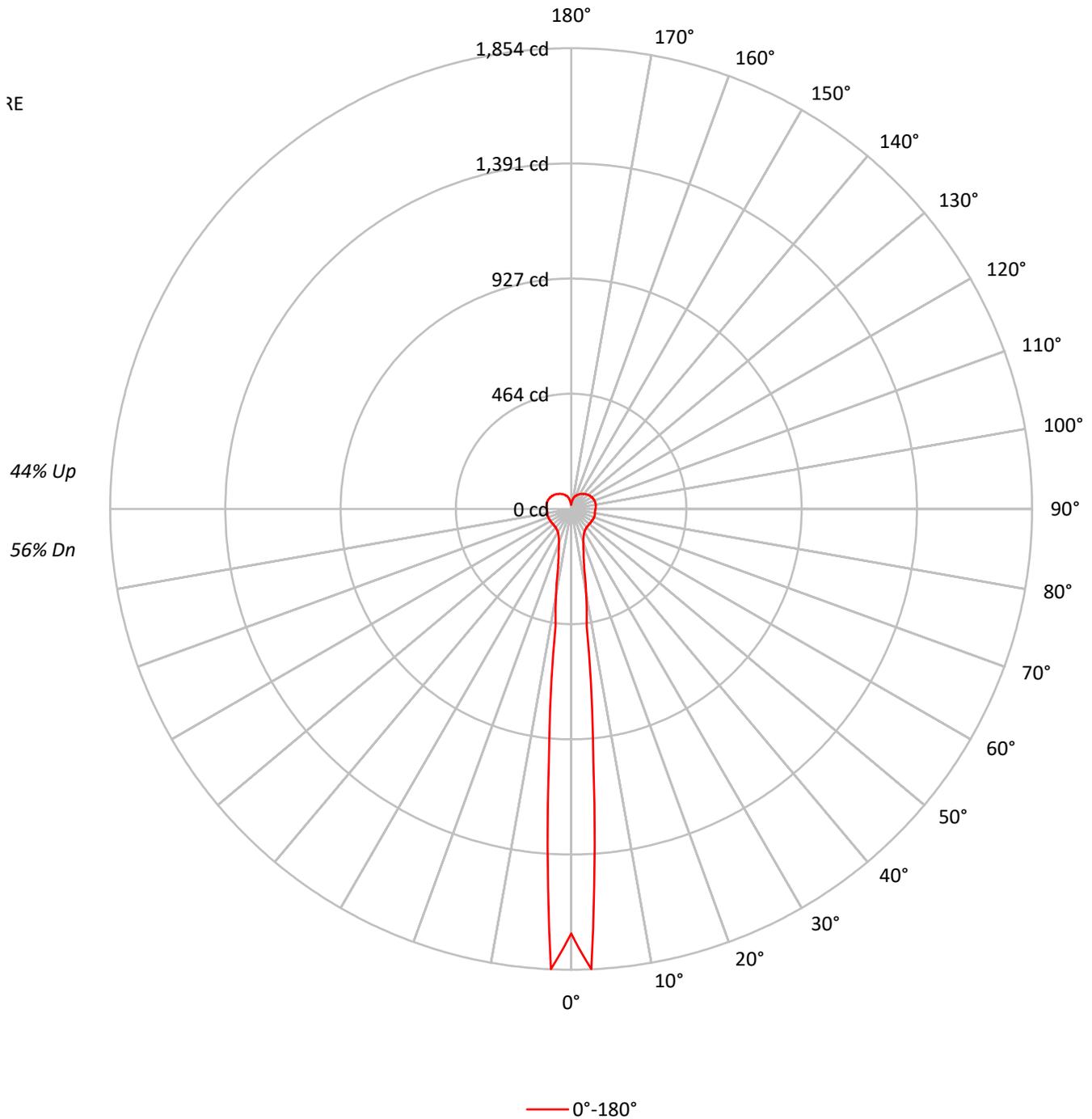
Lumens per Lamp: N/A
Luminaire Lumens: 1270.0 lumens
Efficiency: N/A
Efficacy: 32.7 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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: P1245299

CATALOG NUMBER: PRLX-UNA-L-927-16L-U-NL

Luminous Intensity Polar Plot





TEST NUMBER: P1245299

CATALOG NUMBER: PRLX-UNA-L-927-16L-U-NL

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	96	90	85	80	88	83	79	75	71	68	64		60	57	55		49	47	46	40
2	86	77	70	63	80	72	65	59	61	56	51		51	47	44		42	39	37	32
3	79	68	59	52	72	63	55	49	54	48	43		45	40	37		37	34	31	27
4	72	60	51	44	66	56	48	42	48	41	37		40	35	31		33	30	27	23
5	66	54	45	38	61	50	42	36	43	37	32		36	31	28		30	27	23	20
6	61	48	40	34	57	45	37	32	39	33	28		33	28	25		28	24	21	18
7	57	44	36	30	53	41	34	28	36	30	25		31	26	22		26	22	19	17
8	53	41	33	27	49	38	31	26	33	27	23		29	24	20		24	21	18	15
9	50	37	30	25	46	35	28	23	31	25	21		27	22	19		23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19		25	21	17		22	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	54038
5°	25327
10°	7119
15°	3346
20°	2205
25°	1638
30°	1347
35°	1177
40°	1062
45°	997
50°	950
55°	925
60°	908
65°	904
70°	901
75°	906
80°	896
85°	909

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 997 cd/sqm



TEST NUMBER: P1245299

CATALOG NUMBER: PRLX-UNA-L-927-16L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	6.0
10°-20°	57.1	4.5
20°-30°	55.6	4.4
30°-40°	63.3	5.0
40°-50°	74.0	5.8
50°-60°	85.8	6.8
60°-70°	96.4	7.6
70°-80°	103.5	8.2
80°-90°	105.7	8.3
90°-100°	108.4	8.5
100°-110°	106.1	8.4
110°-120°	97.0	7.6
120°-130°	82.7	6.5
130°-140°	65.2	5.1
140°-150°	46.6	3.7
150°-160°	29.3	2.3
160°-170°	14.3	1.1
170°-180°	2.9	0.2
0°-30°	188.9	14.9
0°-40°	252.2	19.9
0°-60°	411.9	32.4
0°-90°	717.6	56.5
90°-120°	311.5	24.5
90°-150°	505.9	39.8
90°-180°	552.0	43.5
0°-180°	1270.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1708	
5°	1027	76
15°	192	57
25°	119	56
35°	101	63
45°	96	74
55°	96	86
65°	97	96
75°	98	104
85°	97	79
90°	98	54
95°	99	81
105°	101	106
115°	98	97
125°	92	83
135°	84	65
145°	74	47
155°	63	29
165°	50	14
175°	26	3
180°	17	

TEST NUMBER: P1245299

CATALOG NUMBER: PRLX-UNA-L-927-16L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	1708.1
2.5°	1853.5
5°	1026.8
7.5°	476.2
10°	350.0
12.5°	240.9
15°	192.1
17.5°	163.6
20°	143.8
22.5°	129.0
25°	118.8
27.5°	111.9
30°	106.8
32.5°	103.4
35°	100.6
37.5°	98.3
40°	96.6
42.5°	96.0
45°	95.5
47.5°	94.9
50°	94.9
52.5°	95.5
55°	95.5
57.5°	96.0
60°	96.0
62.5°	96.6
65°	97.2
67.5°	97.7
70°	97.7
72.5°	98.3
75°	98.3
77.5°	97.7
80°	96.6
82.5°	96.6
85°	96.6
87.5°	97.2
90°	97.7
92.5°	98.9
95°	99.4
97.5°	100.0
100°	100.6
102.5°	100.6
105°	100.6
107.5°	100.0
110°	99.4

TEST NUMBER: P1245299

CATALOG NUMBER: PRLX-UNA-L-927-16L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	98.9
115°	97.7
117.5°	96.6
120°	95.5
122.5°	93.8
125°	92.1
127.5°	90.3
130°	88.6
132.5°	86.4
135°	84.1
137.5°	81.8
140°	79.0
142.5°	76.7
145°	73.9
147.5°	71.6
150°	68.8
152.5°	65.9
155°	63.1
157.5°	60.2
160°	56.8
162.5°	54.0
165°	50.0
167.5°	45.5
170°	39.8
172.5°	33.5
175°	26.1
177.5°	19.3
180°	17.0



TEST NUMBER: P1245299

CATALOG NUMBER: PRLX-UNA-L-927-16L-U-NL

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	7.1	8.2	8.0	9.1	10.2	7.1	8.2	8.0	9.1	10.2
	3H	10.0	10.9	10.9	11.8	13.0	10.0	10.9	10.9	11.8	13.0
	4H	11.4	12.3	12.3	13.2	14.4	11.4	12.3	12.3	13.2	14.4
	6H	12.7	13.5	13.6	14.5	15.7	12.7	13.5	13.6	14.5	15.7
	8H	13.3	14.1	14.3	15.1	16.3	13.3	14.1	14.3	15.1	16.3
	12H	14.0	14.7	14.9	15.7	16.9	14.0	14.7	14.9	15.7	16.9
4H	2H	7.9	8.8	8.8	9.7	10.9	7.9	8.8	8.8	9.7	10.9
	3H	10.9	11.7	11.8	12.6	13.8	10.9	11.7	11.8	12.6	13.8
	4H	12.4	13.2	13.4	14.1	15.3	12.4	13.2	13.4	14.1	15.3
	6H	13.9	14.6	14.9	15.6	16.8	13.9	14.6	14.9	15.6	16.8
	8H	14.7	15.3	15.6	16.2	17.5	14.7	15.3	15.6	16.2	17.5
	12H	15.4	16.0	16.4	16.9	18.2	15.4	16.0	16.4	16.9	18.2
8H	4H	12.9	13.5	13.9	14.5	15.7	12.9	13.5	13.9	14.5	15.7
	6H	14.6	15.1	15.6	16.2	17.4	14.6	15.1	15.6	16.2	17.4
	8H	15.5	16.0	16.5	17.0	18.2	15.5	16.0	16.5	17.0	18.2
	12H	16.4	16.8	17.4	17.8	19.1	16.4	16.8	17.4	17.8	19.1
12H	4H	13.0	13.6	14.0	14.6	15.8	13.0	13.6	14.0	14.6	15.8
	6H	14.8	15.3	15.8	16.3	17.6	14.8	15.3	15.8	16.3	17.6
	8H	15.8	16.2	16.7	17.2	18.5	15.8	16.2	16.7	17.2	18.5

(END OF REPORT)