

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: P1245353

Luminaire Tested: PRLX-UNA-L-935-23L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245353
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-935-23L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

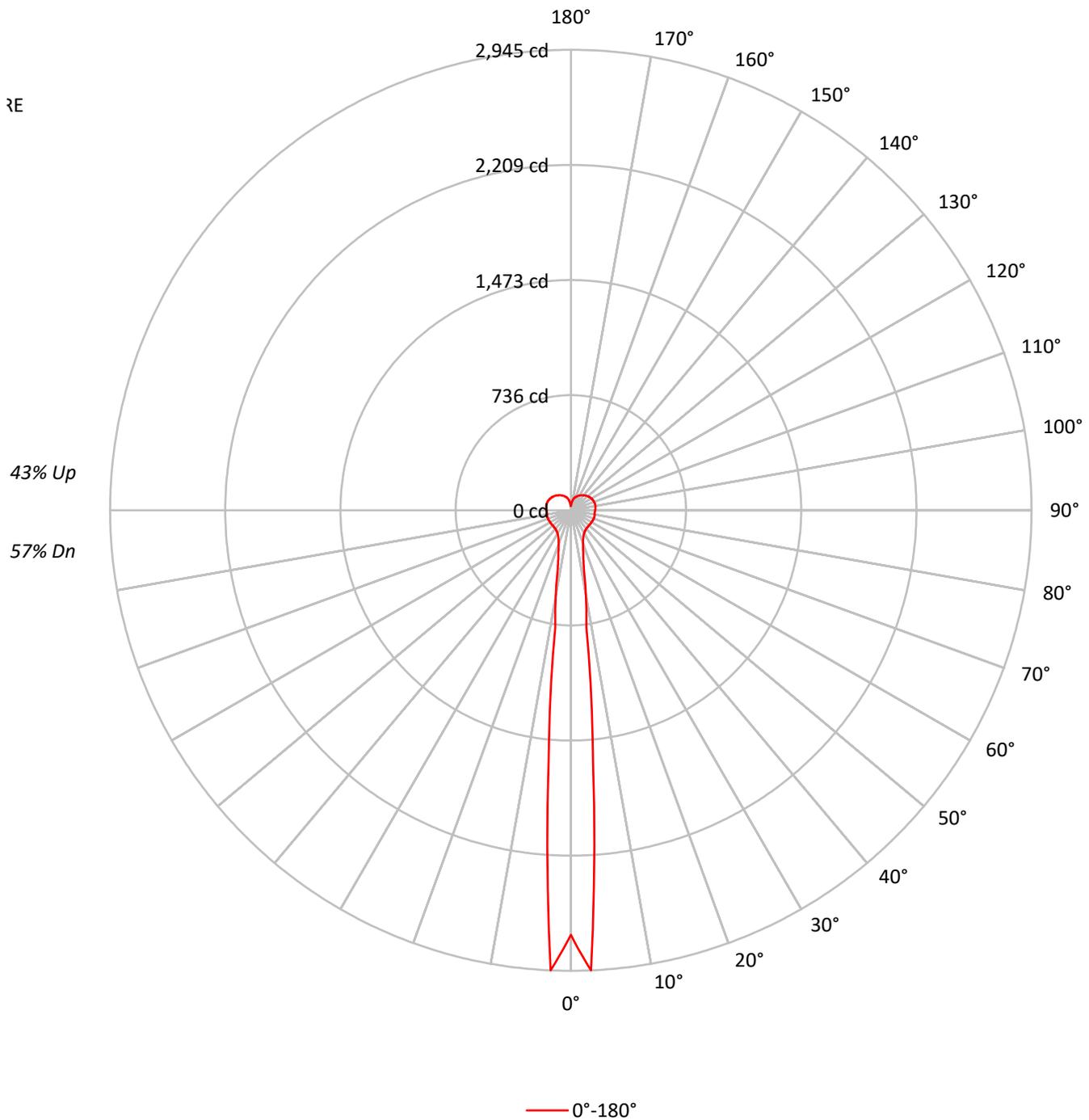
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2018.0 lumens
Efficiency: N/A
Efficacy: 34.7 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): 58.2
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

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Luminous Intensity Polar Plot





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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	57
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°	85864
5°	40243
10°	11313
15°	5316
20°	3502
25°	2601
30°	2140
35°	1870
40°	1687
45°	1584
50°	1510
55°	1470
60°	1443
65°	1436
70°	1432
75°	1440
80°	1424
85°	1445

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1584 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.0	6.0
10°-20°	90.7	4.5
20°-30°	88.4	4.4
30°-40°	100.6	5.0
40°-50°	117.5	5.8
50°-60°	136.3	6.8
60°-70°	153.2	7.6
70°-80°	164.5	8.2
80°-90°	168.0	8.3
90°-100°	172.3	8.5
100°-110°	168.6	8.4
110°-120°	154.1	7.6
120°-130°	131.3	6.5
130°-140°	103.5	5.1
140°-150°	74.1	3.7
150°-160°	46.6	2.3
160°-170°	22.7	1.1
170°-180°	4.7	0.2
0°-30°	300.1	14.9
0°-40°	400.7	19.9
0°-60°	654.6	32.4
0°-90°	1140.2	56.5
90°-120°	494.9	24.5
90°-150°	803.9	39.8
90°-180°	878.0	43.5
0°-180°	2018.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2714	
5°	1632	121
15°	305	91
25°	189	88
35°	160	101
45°	152	118
55°	152	136
65°	154	153
75°	156	165
85°	154	126
90°	155	85
95°	158	129
105°	160	169
115°	155	154
125°	146	131
135°	134	104
145°	117	74
155°	100	47
165°	80	23
175°	42	5
180°	27	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2714.1
2.5°	2945.2
5°	1631.5
7.5°	756.6
10°	556.2
12.5°	382.8
15°	305.2
17.5°	260.0
20°	228.4
22.5°	205.0
25°	188.7
27.5°	177.9
30°	169.7
32.5°	164.3
35°	159.8
37.5°	156.2
40°	153.5
42.5°	152.6
45°	151.7
47.5°	150.8
50°	150.8
52.5°	151.7
55°	151.7
57.5°	152.6
60°	152.6
62.5°	153.5
65°	154.4
67.5°	155.3
70°	155.3
72.5°	156.2
75°	156.2
77.5°	155.3
80°	153.5
82.5°	153.5
85°	153.5
87.5°	154.4
90°	155.3
92.5°	157.1
95°	158.0
97.5°	158.9
100°	159.8
102.5°	159.8
105°	159.8
107.5°	158.9
110°	158.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	157.1
115°	155.3
117.5°	153.5
120°	151.7
122.5°	149.0
125°	146.3
127.5°	143.6
130°	140.9
132.5°	137.2
135°	133.6
137.5°	130.0
140°	125.5
142.5°	121.9
145°	117.4
147.5°	113.8
150°	109.3
152.5°	104.7
155°	100.2
157.5°	95.7
160°	90.3
162.5°	85.8
165°	79.5
167.5°	72.2
170°	63.2
172.5°	53.3
175°	41.5
177.5°	30.7
180°	27.1



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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	8.8	9.8	9.6	10.7	11.9	8.8	9.8	9.6	10.7	11.9
	3H	11.6	12.5	12.5	13.4	14.6	11.6	12.5	12.5	13.4	14.6
	4H	13.0	13.9	13.9	14.8	16.0	13.0	13.9	13.9	14.8	16.0
	6H	14.3	15.1	15.2	16.1	17.3	14.3	15.1	15.2	16.1	17.3
	8H	15.0	15.7	15.9	16.7	17.9	15.0	15.7	15.9	16.7	17.9
	12H	15.6	16.3	16.5	17.3	18.5	15.6	16.3	16.5	17.3	18.5
4H	2H	9.5	10.4	10.4	11.3	12.5	9.5	10.4	10.4	11.3	12.5
	3H	12.5	13.3	13.4	14.2	15.5	12.5	13.3	13.4	14.2	15.5
	4H	14.0	14.8	15.0	15.7	17.0	14.0	14.8	15.0	15.7	17.0
	6H	15.6	16.2	16.5	17.2	18.4	15.6	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	17.0	17.6	18.0	18.6	19.8	17.0	17.6	18.0	18.6	19.8
8H	4H	14.5	15.1	15.5	16.1	17.4	14.5	15.1	15.5	16.1	17.4
	6H	16.2	16.8	17.2	17.8	19.0	16.2	16.8	17.2	17.8	19.0
	8H	17.1	17.6	18.1	18.6	19.8	17.1	17.6	18.1	18.6	19.8
	12H	18.0	18.4	19.0	19.4	20.7	18.0	18.4	19.0	19.4	20.7
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	17.8	18.4	18.8	20.1	17.4	17.8	18.4	18.8	20.1

(END OF REPORT)