

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: P1245355

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245355
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-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 7
Light Source: -
Ballast/Driver: -

Summary

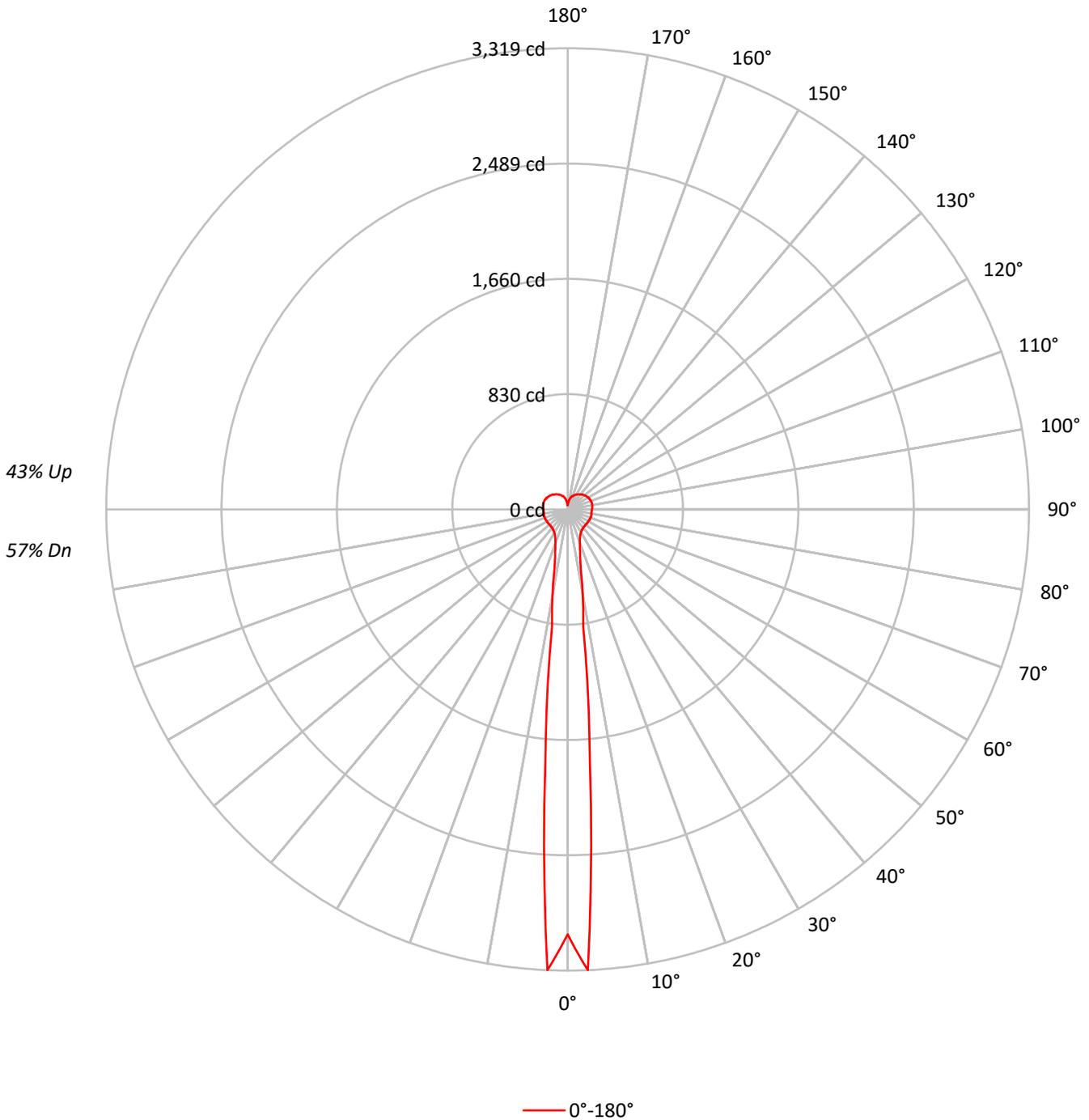
Lumens per Lamp: N/A
Luminaire Lumens: 2274.0 lumens
Efficiency: N/A
Efficacy: 39.1 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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

TEST NUMBER: P1245355

CATALOG NUMBER: PRLX-UNA-L-935-23L-U-PS

Luminous Intensity Polar Plot





TEST NUMBER: P1245355

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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°	96757
5°	45349
10°	12747
15°	5990
20°	3946
25°	2931
30°	2412
35°	2107
40°	1902
45°	1784
50°	1701
55°	1656
60°	1625
65°	1619
70°	1614
75°	1622
80°	1605
85°	1629

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1784 cd/sqm



TEST NUMBER: P1245355

CATALOG NUMBER: PRLX-UNA-L-935-23L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.3	6.0
10°-20°	102.2	4.5
20°-30°	99.6	4.4
30°-40°	113.4	5.0
40°-50°	132.4	5.8
50°-60°	153.6	6.8
60°-70°	172.6	7.6
70°-80°	185.4	8.2
80°-90°	189.3	8.3
90°-100°	194.1	8.5
100°-110°	190.0	8.4
110°-120°	173.6	7.6
120°-130°	148.0	6.5
130°-140°	116.7	5.1
140°-150°	83.5	3.7
150°-160°	52.5	2.3
160°-170°	25.5	1.1
170°-180°	5.3	0.2
0°-30°	338.1	14.9
0°-40°	451.5	19.9
0°-60°	737.5	32.4
0°-90°	1284.8	56.5
90°-120°	557.8	24.5
90°-150°	905.9	39.8
90°-180°	989.0	43.5
0°-180°	2274.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3058	
5°	1838	136
15°	344	102
25°	213	100
35°	180	113
45°	171	132
55°	171	154
65°	174	173
75°	176	185
85°	173	141
90°	175	96
95°	178	146
105°	180	190
115°	175	174
125°	165	148
135°	151	117
145°	132	83
155°	113	52
165°	90	26
175°	47	5
180°	30	

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CATALOG NUMBER: PRLX-UNA-L-935-23L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	3058.4
2.5°	3318.9
5°	1838.5
7.5°	852.6
10°	626.7
12.5°	431.4
15°	343.9
17.5°	293.0
20°	257.4
22.5°	231.0
25°	212.6
27.5°	200.4
30°	191.3
32.5°	185.2
35°	180.1
37.5°	176.0
40°	173.0
42.5°	171.9
45°	170.9
47.5°	169.9
50°	169.9
52.5°	170.9
55°	170.9
57.5°	171.9
60°	171.9
62.5°	173.0
65°	174.0
67.5°	175.0
70°	175.0
72.5°	176.0
75°	176.0
77.5°	175.0
80°	173.0
82.5°	173.0
85°	173.0
87.5°	174.0
90°	175.0
92.5°	177.0
95°	178.1
97.5°	179.1
100°	180.1
102.5°	180.1
105°	180.1
107.5°	179.1
110°	178.1

TEST NUMBER: P1245355

CATALOG NUMBER: PRLX-UNA-L-935-23L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	177.0
115°	175.0
117.5°	173.0
120°	170.9
122.5°	167.9
125°	164.8
127.5°	161.8
130°	158.7
132.5°	154.6
135°	150.6
137.5°	146.5
140°	141.4
142.5°	137.4
145°	132.3
147.5°	128.2
150°	123.1
152.5°	118.0
155°	112.9
157.5°	107.8
160°	101.7
162.5°	96.7
165°	89.5
167.5°	81.4
170°	71.2
172.5°	60.0
175°	46.8
177.5°	34.6
180°	30.5



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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	9.2	10.2	10.1	11.1	12.3	9.2	10.2	10.1	11.1	12.3
	3H	12.0	12.9	12.9	13.9	15.1	12.0	12.9	12.9	13.9	15.1
	4H	13.4	14.3	14.3	15.2	16.4	13.4	14.3	14.3	15.2	16.4
	6H	14.7	15.6	15.7	16.5	17.7	14.7	15.6	15.7	16.5	17.7
	8H	15.4	16.2	16.3	17.1	18.3	15.4	16.2	16.3	17.1	18.3
	12H	16.0	16.8	16.9	17.7	18.9	16.0	16.8	16.9	17.7	18.9
4H	2H	9.9	10.8	10.8	11.7	12.9	9.9	10.8	10.8	11.7	12.9
	3H	12.9	13.7	13.8	14.7	15.9	12.9	13.7	13.8	14.7	15.9
	4H	14.5	15.2	15.4	16.1	17.4	14.5	15.2	15.4	16.1	17.4
	6H	16.0	16.6	16.9	17.6	18.8	16.0	16.6	16.9	17.6	18.8
	8H	16.7	17.3	17.6	18.3	19.5	16.7	17.3	17.6	18.3	19.5
	12H	17.4	18.0	18.4	19.0	20.2	17.4	18.0	18.4	19.0	20.2
8H	4H	15.0	15.6	15.9	16.5	17.8	15.0	15.6	15.9	16.5	17.8
	6H	16.7	17.2	17.6	18.2	19.4	16.7	17.2	17.6	18.2	19.4
	8H	17.5	18.0	18.5	19.0	20.3	17.5	18.0	18.5	19.0	20.3
	12H	18.4	18.9	19.4	19.9	21.2	18.4	18.9	19.4	19.9	21.2
12H	4H	15.0	15.6	16.0	16.6	17.8	15.0	15.6	16.0	16.6	17.8
	6H	16.8	17.3	17.8	18.3	19.6	16.8	17.3	17.8	18.3	19.6
	8H	17.8	18.2	18.8	19.2	20.5	17.8	18.2	18.8	19.2	20.5

(END OF REPORT)