

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: P1244836

Luminaire Tested: PRLX-MIN-L-935-05L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244836
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-935-05L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE
LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

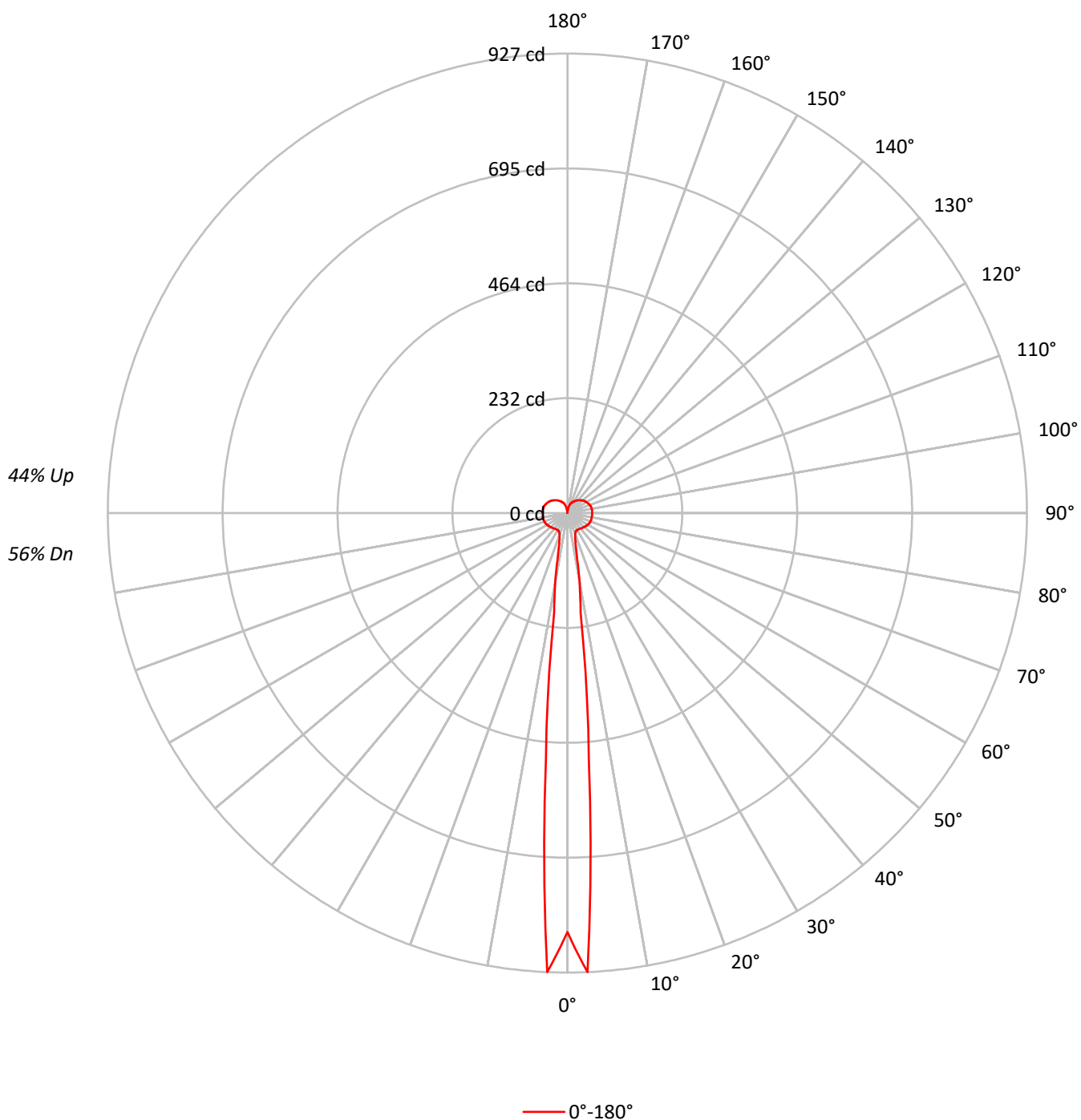
Lumens per Lamp: N/A
Luminaire Lumens: 583.1 lumens
Efficiency: N/A
Efficacy: 39.4 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 14.8
Input Voltage (V): NR
Input Current (Ain): 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: P1244836

CATALOG NUMBER: PRLX-MIN-L-935-05L-U-PS

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			
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	36	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°	26736
5°	12259
10°	2858
15°	1090
20°	705
25°	561
30°	498
35°	466
40°	451
45°	443
50°	440
55°	443
60°	445
65°	452
70°	457
75°	462
80°	462
85°	472

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 482 cd/sqm

TEST NUMBER: P1244836

CATALOG NUMBER: PRLX-MIN-L-935-05L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.6	6.1
10°-20°	19.6	3.4
20°-30°	19.1	3.3
30°-40°	25.1	4.3
40°-50°	32.9	5.6
50°-60°	41.0	7.0
60°-70°	48.2	8.3
70°-80°	52.7	9.0
80°-90°	54.5	9.4
90°-100°	54.6	9.4
100°-110°	51.9	8.9
110°-120°	45.9	7.9
120°-130°	37.8	6.5
130°-140°	28.5	4.9
140°-150°	19.3	3.3
150°-160°	11.3	1.9
160°-170°	4.6	0.8
170°-180°	0.5	0.1
0°-30°	74.4	12.8
0°-40°	99.5	17.1
0°-60°	173.3	29.7
0°-90°	328.8	56.4
90°-120°	152.4	26.1
90°-150°	238.0	40.8
90°-180°	254.0	43.6
0°-180°	583.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	845	
5°	497	36
15°	63	20
25°	41	19
35°	40	25
45°	42	33
55°	46	41
65°	49	48
75°	50	53
85°	50	41
90°	50	27
95°	50	41
105°	49	52
115°	46	46
125°	42	38
135°	37	29
145°	30	19
155°	24	11
165°	16	5
175°	2	0
180°	0	

TEST NUMBER: P1244836

CATALOG NUMBER: PRLX-MIN-L-935-05L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	845.1
2.5°	927.0
5°	497.0
7.5°	202.3
10°	140.5
12.5°	86.1
15°	62.6
17.5°	52.1
20°	46.0
22.5°	42.7
25°	40.7
27.5°	39.8
30°	39.5
32.5°	39.5
35°	39.8
37.5°	40.1
40°	41.0
42.5°	41.6
45°	42.4
47.5°	43.3
50°	43.9
52.5°	44.8
55°	45.7
57.5°	46.5
60°	47.1
62.5°	48.0
65°	48.6
67.5°	49.2
70°	49.5
72.5°	49.8
75°	50.1
77.5°	49.8
80°	49.8
82.5°	49.8
85°	50.1
87.5°	50.1
90°	50.1
92.5°	50.1
95°	50.1
97.5°	50.1
100°	49.8
102.5°	49.5
105°	49.2
107.5°	48.6
110°	48.0

TEST NUMBER: P1244836

CATALOG NUMBER: PRLX-MIN-L-935-05L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	47.1
115°	46.2
117.5°	45.4
120°	44.2
122.5°	43.3
125°	42.2
127.5°	41.0
130°	39.5
132.5°	38.3
135°	36.9
137.5°	35.1
140°	33.7
142.5°	32.2
145°	30.4
147.5°	29.0
150°	27.5
152.5°	25.8
155°	24.3
157.5°	22.5
160°	20.8
162.5°	18.7
165°	16.4
167.5°	13.2
170°	9.1
172.5°	5.6
175°	2.3
177.5°	0.6
180°	0.3

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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	4.8	5.8	5.7	6.7	7.9	4.8	5.8	5.7	6.7	7.9
	3H	7.8	8.7	8.7	9.7	10.9	7.8	8.7	8.7	9.7	10.9
	4H	9.2	10.1	10.1	11.1	12.3	9.2	10.1	10.1	11.1	12.3
	6H	10.6	11.5	11.5	12.4	13.6	10.6	11.5	11.5	12.4	13.6
	8H	11.3	12.1	12.2	13.1	14.3	11.3	12.1	12.2	13.1	14.3
	12H	11.9	12.7	12.9	13.7	14.9	11.9	12.7	12.9	13.7	14.9
4H	2H	5.6	6.5	6.5	7.4	8.6	5.6	6.5	6.5	7.4	8.6
	3H	8.7	9.5	9.7	10.5	11.7	8.7	9.5	9.7	10.5	11.7
	4H	10.3	11.1	11.2	12.0	13.3	10.3	11.1	11.2	12.0	13.3
	6H	11.9	12.5	12.8	13.5	14.8	11.9	12.5	12.8	13.5	14.8
	8H	12.6	13.3	13.6	14.2	15.5	12.6	13.3	13.6	14.2	15.5
	12H	13.4	14.0	14.4	15.0	16.2	13.4	14.0	14.4	15.0	16.2
8H	4H	10.8	11.5	11.8	12.4	13.7	10.8	11.5	11.8	12.4	13.7
	6H	12.6	13.1	13.6	14.1	15.4	12.6	13.1	13.6	14.1	15.4
	8H	13.5	14.0	14.5	15.0	16.2	13.5	14.0	14.5	15.0	16.2
	12H	14.4	14.9	15.4	15.9	17.2	14.4	14.9	15.4	15.9	17.2
12H	4H	10.9	11.5	11.9	12.5	13.8	10.9	11.5	11.9	12.5	13.8
	6H	12.8	13.3	13.8	14.3	15.5	12.8	13.3	13.8	14.3	15.5
	8H	13.8	14.2	14.7	15.2	16.5	13.8	14.2	14.7	15.2	16.5

(END OF REPORT)