

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: P1244848

Luminaire Tested: PRLX-MIN-L-935-20L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244848
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-935-20L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

Summary

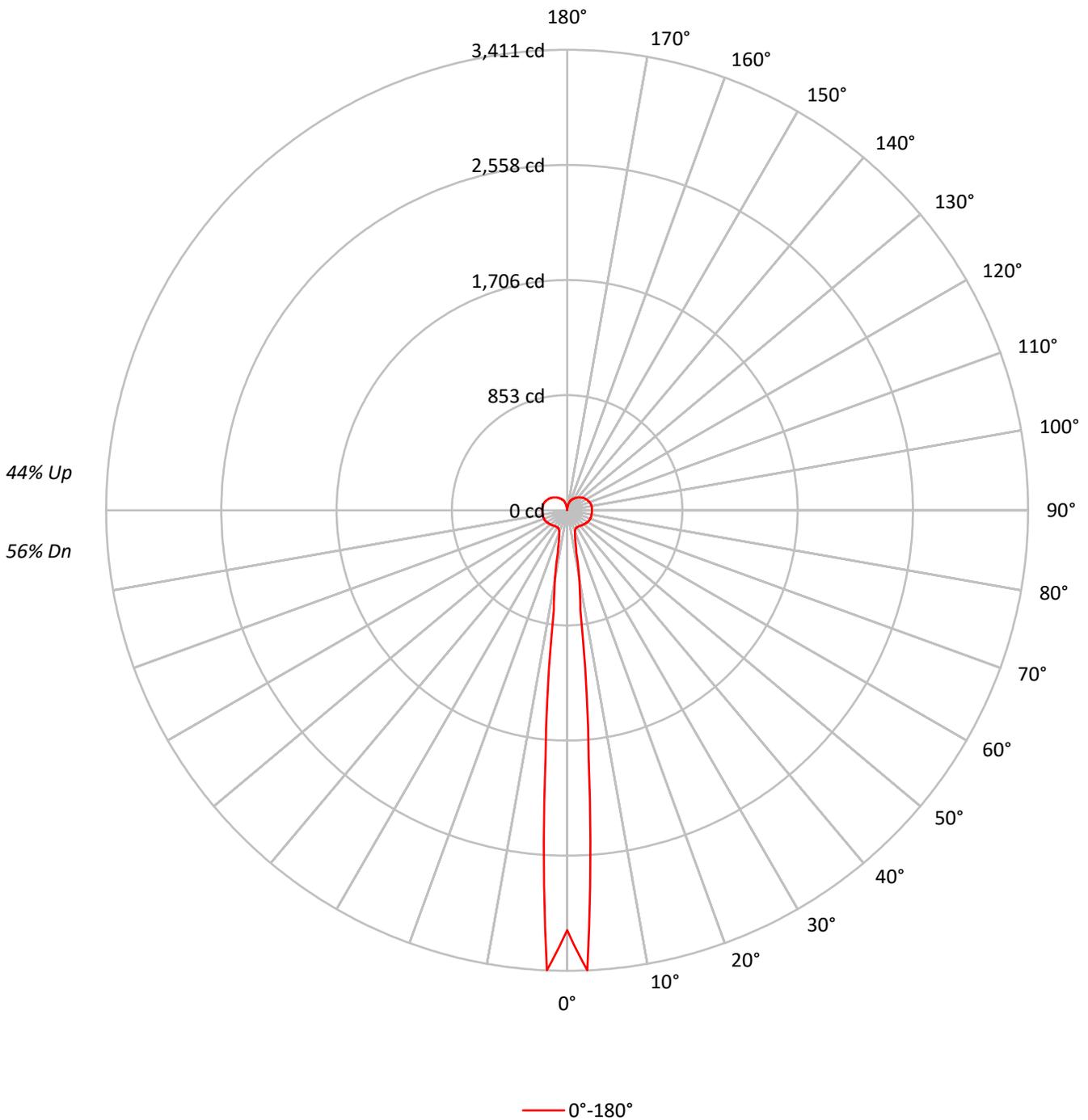
Lumens per Lamp: N/A
Luminaire Lumens: 2145.1 lumens
Efficiency: N/A
Efficacy: 44.1 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 48.6
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: P1244848

CATALOG NUMBER: PRLX-MIN-L-935-20L-U-PS

Luminous Intensity Polar Plot





TEST NUMBER: P1244848

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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	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°	98364
5°	45107
10°	10514
15°	4015
20°	2592
25°	2064
30°	1833
35°	1714
40°	1658
45°	1631
50°	1617
55°	1628
60°	1640
65°	1663
70°	1679
75°	1698
80°	1699
85°	1734

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1773 cd/sqm

TEST NUMBER: P1244848

CATALOG NUMBER: PRLX-MIN-L-935-20L-U-PS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.2	6.1
10°-20°	72.2	3.4
20°-30°	70.4	3.3
30°-40°	92.3	4.3
40°-50°	121.1	5.6
50°-60°	150.7	7.0
60°-70°	177.2	8.3
70°-80°	193.9	9.0
80°-90°	200.5	9.3
90°-100°	200.8	9.4
100°-110°	190.9	8.9
110°-120°	168.9	7.9
120°-130°	139.1	6.5
130°-140°	104.9	4.9
140°-150°	70.9	3.3
150°-160°	41.5	1.9
160°-170°	17.1	0.8
170°-180°	1.7	0.1
0°-30°	273.7	12.8
0°-40°	366.0	17.1
0°-60°	637.8	29.7
0°-90°	1209.4	56.4
90°-120°	560.5	26.1
90°-150°	875.4	40.8
90°-180°	936.0	43.6
0°-180°	2145.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3109	
5°	1829	131
15°	230	72
25°	150	70
35°	146	92
45°	156	121
55°	168	151
65°	179	177
75°	184	194
85°	184	150
90°	184	101
95°	184	150
105°	181	191
115°	170	169
125°	155	139
135°	136	105
145°	112	71
155°	89	42
165°	60	17
175°	9	2
180°	1	

TEST NUMBER: P1244848

CATALOG NUMBER: PRLX-MIN-L-935-20L-U-PS

CANDELA DISTRIBUTION (FULL):

0°	
0°	3109.2
2.5°	3410.7
5°	1828.7
7.5°	744.2
10°	516.9
12.5°	316.6
15°	230.5
17.5°	191.7
20°	169.1
22.5°	157.2
25°	149.7
27.5°	146.5
30°	145.4
32.5°	145.4
35°	146.5
37.5°	147.5
40°	150.8
42.5°	152.9
45°	156.2
47.5°	159.4
50°	161.5
52.5°	164.8
55°	168.0
57.5°	171.2
60°	173.4
62.5°	176.6
65°	178.8
67.5°	180.9
70°	182.0
72.5°	183.1
75°	184.2
77.5°	183.1
80°	183.1
82.5°	183.1
85°	184.2
87.5°	184.2
90°	184.2
92.5°	184.2
95°	184.2
97.5°	184.2
100°	183.1
102.5°	182.0
105°	180.9
107.5°	178.8
110°	176.6



TEST NUMBER: P1244848

CATALOG NUMBER: PRLX-MIN-L-935-20L-U-PS

CANDELA DISTRIBUTION (continued):

	0°
112.5°	173.4
115°	170.2
117.5°	166.9
120°	162.6
122.5°	159.4
125°	155.1
127.5°	150.8
130°	145.4
132.5°	141.1
135°	135.7
137.5°	129.2
140°	123.9
142.5°	118.5
145°	112.0
147.5°	106.6
150°	101.2
152.5°	94.8
155°	89.4
157.5°	82.9
160°	76.5
162.5°	68.9
165°	60.3
167.5°	48.5
170°	33.4
172.5°	20.5
175°	8.6
177.5°	2.2
180°	1.1



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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	9.3	10.4	10.2	11.3	12.4	9.3	10.4	10.2	11.3	12.4
	3H	12.3	13.3	13.2	14.2	15.4	12.3	13.3	13.2	14.2	15.4
	4H	13.8	14.7	14.7	15.6	16.8	13.8	14.7	14.7	15.6	16.8
	6H	15.1	16.0	16.1	16.9	18.2	15.1	16.0	16.1	16.9	18.2
	8H	15.8	16.6	16.7	17.6	18.8	15.8	16.6	16.7	17.6	18.8
	12H	16.5	17.3	17.4	18.2	19.4	16.5	17.3	17.4	18.2	19.4
4H	2H	10.1	11.0	11.0	11.9	13.1	10.1	11.0	11.0	11.9	13.1
	3H	13.3	14.1	14.2	15.0	16.2	13.3	14.1	14.2	15.0	16.2
	4H	14.9	15.6	15.8	16.5	17.8	14.9	15.6	15.8	16.5	17.8
	6H	16.4	17.1	17.3	18.0	19.3	16.4	17.1	17.3	18.0	19.3
	8H	17.2	17.8	18.1	18.8	20.0	17.2	17.8	18.1	18.8	20.0
	12H	17.9	18.5	18.9	19.5	20.7	17.9	18.5	18.9	19.5	20.7
8H	4H	15.4	16.0	16.3	17.0	18.2	15.4	16.0	16.3	17.0	18.2
	6H	17.1	17.7	18.1	18.7	19.9	17.1	17.7	18.1	18.7	19.9
	8H	18.0	18.5	19.0	19.5	20.8	18.0	18.5	19.0	19.5	20.8
	12H	19.0	19.4	19.9	20.4	21.7	19.0	19.4	19.9	20.4	21.7
12H	4H	15.5	16.0	16.4	17.0	18.3	15.5	16.0	16.4	17.0	18.3
	6H	17.3	17.8	18.3	18.8	20.1	17.3	17.8	18.3	18.8	20.1
	8H	18.3	18.7	19.3	19.7	21.0	18.3	18.7	19.3	19.7	21.0

(END OF REPORT)