

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: P1245163

Luminaire Tested: PRLX-NIM-M-930-07L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-M-930-07L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, LAYERED FINE SHADE TEXTU
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

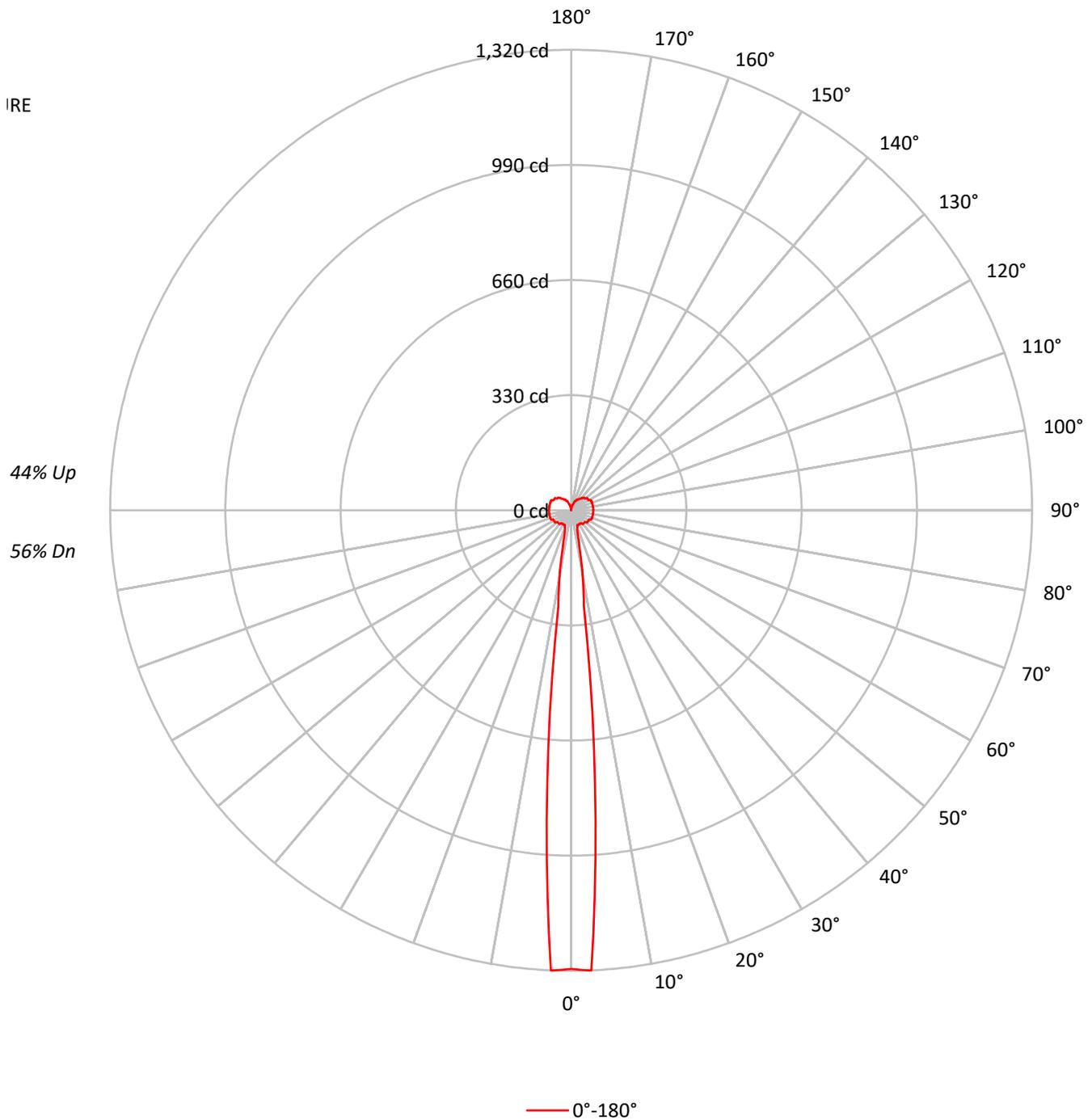
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 747.9 lumens
Efficiency: N/A
Efficacy: 25.9 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 28.9
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: P1245163
CATALOG NUMBER: PRLX-NIM-M-930-07L-U-LF

Luminous Intensity Polar Plot





TEST NUMBER: P1245163

CATALOG NUMBER: PRLX-NIM-M-930-07L-U-LF

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	108	108	108	108	101	101	101	101	86	86	86		73	73	73		61	61	61	56
1	95	89	83	78	88	82	77	73	70	66	63		58	55	53		48	46	44	38
2	85	76	68	62	78	70	63	58	60	54	50		50	46	42		40	37	35	30
3	77	66	58	51	71	61	54	47	52	46	41		43	39	35		35	32	29	25
4	71	59	50	43	65	54	46	40	46	40	35		39	34	30		32	28	25	21
5	65	52	43	37	60	49	41	35	42	35	30		35	30	26		29	25	22	18
6	60	47	39	32	56	44	36	30	38	32	27		32	27	23		27	23	20	17
7	56	43	35	29	52	40	33	27	35	29	24		30	25	21		25	21	18	15
8	53	40	32	26	49	37	30	25	32	26	22		28	23	19		23	19	17	14
9	49	37	29	24	46	34	27	22	30	24	20		26	21	18		22	18	15	13
10	47	34	27	22	43	32	25	21	28	22	19		24	20	17		21	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67375
5°	29535
10°	5700
15°	1876
20°	1122
25°	884
30°	799
35°	734
40°	770
45°	726
50°	691
55°	739
60°	717
65°	771
70°	761
75°	756
80°	757
85°	764

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 777 cd/sqm

TEST NUMBER: P1245163

CATALOG NUMBER: PRLX-NIM-M-930-07L-U-LF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	7.0
10°-20°	24.0	3.2
20°-30°	21.6	2.9
30°-40°	29.5	3.9
40°-50°	40.2	5.4
50°-60°	51.1	6.8
60°-70°	60.9	8.1
70°-80°	67.1	9.0
80°-90°	69.2	9.2
90°-100°	69.2	9.2
100°-110°	67.1	9.0
110°-120°	62.2	8.3
120°-130°	51.1	6.8
130°-140°	38.6	5.2
140°-150°	24.6	3.3
150°-160°	14.2	1.9
160°-170°	4.7	0.6
170°-180°	0.4	0.1
0°-30°	97.9	13.1
0°-40°	127.4	17.0
0°-60°	218.7	29.2
0°-90°	415.8	55.6
90°-120°	198.5	26.5
90°-150°	312.8	41.8
90°-180°	332.0	44.4
0°-180°	747.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1315	
5°	784	52
15°	75	24
25°	46	22
35°	46	29
45°	52	40
55°	58	51
65°	63	61
75°	63	67
85°	63	52
90°	63	35
95°	63	52
105°	63	67
115°	63	62
125°	58	51
135°	52	39
145°	40	25
155°	29	14
165°	17	5
175°	0	0
180°	0	

TEST NUMBER: P1245163

CATALOG NUMBER: PRLX-NIM-M-930-07L-U-LF

CANDELA DISTRIBUTION (FULL):

0°	
0°	1314.7
2.5°	1320.4
5°	784.2
7.5°	276.8
10°	190.3
12.5°	109.6
15°	75.0
17.5°	57.7
20°	51.9
22.5°	46.1
25°	46.1
27.5°	46.1
30°	46.1
32.5°	46.1
35°	46.1
37.5°	46.1
40°	51.9
42.5°	51.9
45°	51.9
47.5°	51.9
50°	51.9
52.5°	57.7
55°	57.7
57.5°	57.7
60°	57.7
62.5°	57.7
65°	63.4
67.5°	63.4
70°	63.4
72.5°	63.4
75°	63.4
77.5°	63.4
80°	63.4
82.5°	63.4
85°	63.4
87.5°	63.4
90°	63.4
92.5°	63.4
95°	63.4
97.5°	63.4
100°	63.4
102.5°	63.4
105°	63.4
107.5°	63.4
110°	63.4

TEST NUMBER: P1245163

CATALOG NUMBER: PRLX-NIM-M-930-07L-U-LF

CANDELA DISTRIBUTION (continued):

	0°
112.5°	63.4
115°	63.4
117.5°	63.4
120°	57.7
122.5°	57.7
125°	57.7
127.5°	57.7
130°	51.9
132.5°	51.9
135°	51.9
137.5°	46.1
140°	46.1
142.5°	40.4
145°	40.4
147.5°	34.6
150°	34.6
152.5°	34.6
155°	28.8
157.5°	28.8
160°	23.1
162.5°	17.3
165°	17.3
167.5°	11.5
170°	11.5
172.5°	5.8
175°	0.0
177.5°	0.0
180°	0.0



TEST NUMBER: P1245163

CATALOG NUMBER: PRLX-NIM-M-930-07L-U-LF

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	6.3	7.4	7.2	8.3	9.5	6.3	7.4	7.2	8.3	9.5
	3H	9.5	10.4	10.4	11.3	12.6	9.5	10.4	10.4	11.3	12.6
	4H	10.9	11.8	11.8	12.7	14.0	10.9	11.8	11.8	12.7	14.0
	6H	12.3	13.1	13.2	14.1	15.3	12.3	13.1	13.2	14.1	15.3
	8H	13.0	13.8	13.9	14.7	16.0	13.0	13.8	13.9	14.7	16.0
	12H	13.6	14.4	14.5	15.3	16.6	13.6	14.4	14.5	15.3	16.6
4H	2H	7.2	8.1	8.1	9.0	10.2	7.2	8.1	8.1	9.0	10.2
	3H	10.4	11.2	11.4	12.2	13.4	10.4	11.2	11.4	12.2	13.4
	4H	12.0	12.7	12.9	13.7	14.9	12.0	12.7	12.9	13.7	14.9
	6H	13.6	14.2	14.5	15.2	16.4	13.6	14.2	14.5	15.2	16.4
	8H	14.3	14.9	15.3	15.9	17.2	14.3	14.9	15.3	15.9	17.2
	12H	15.1	15.6	16.0	16.6	17.9	15.1	15.6	16.0	16.6	17.9
8H	4H	12.5	13.1	13.5	14.1	15.4	12.5	13.1	13.5	14.1	15.4
	6H	14.3	14.8	15.2	15.8	17.1	14.3	14.8	15.2	15.8	17.1
	8H	15.2	15.7	16.1	16.7	17.9	15.2	15.7	16.1	16.7	17.9
	12H	16.1	16.5	17.1	17.5	18.8	16.1	16.5	17.1	17.5	18.8
12H	4H	12.6	13.2	13.6	14.2	15.4	12.6	13.2	13.6	14.2	15.4
	6H	14.5	14.9	15.4	15.9	17.2	14.5	14.9	15.4	15.9	17.2
	8H	15.4	15.9	16.4	16.9	18.2	15.4	15.9	16.4	16.9	18.2

(END OF REPORT)