

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: P1245256

Luminaire Tested: PRLX-NIM-S-935-07L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-S-935-07L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, SMALL LIGHT ENGINE, NATURAL LINES SHADE TEXTURE
LIGHT LEVEL 3
Light Source: -
Ballast/Driver: -

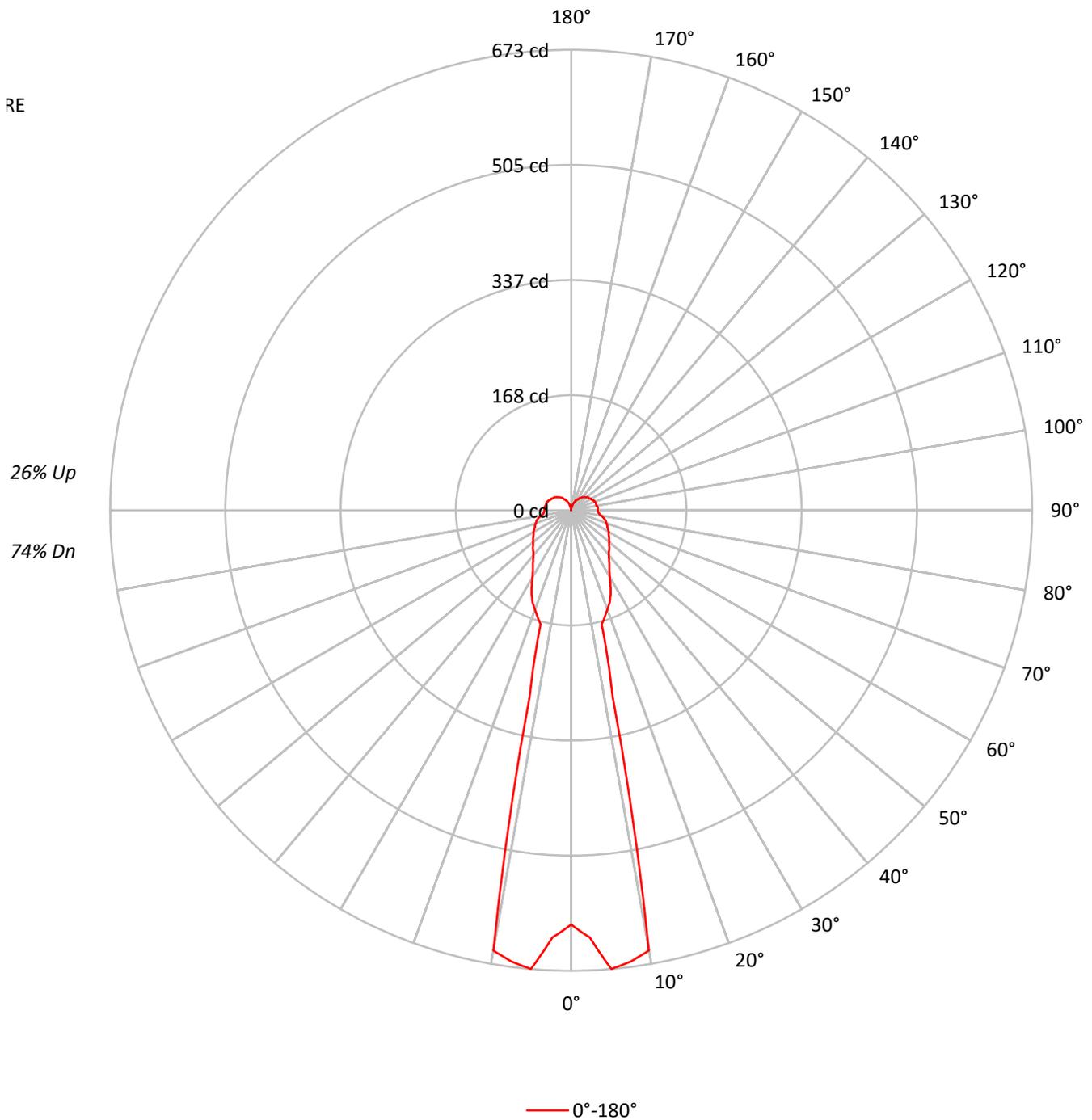
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 719.0 lumens
Efficiency: N/A
Efficacy: 44.4 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 0.87')
CIE Type: Semi-Direct

Input Watts (W): 16.2
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: P1245256
CATALOG NUMBER: PRLX-NIM-S-935-07L-U-NL

Luminous Intensity Polar Plot





TEST NUMBER: P1245256

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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	113	113	113	113	107	107	107	107	96	96	96		87	87	87		78	78	78	74
1	101	96	91	87	96	91	87	83	82	79	76		74	71	69		66	64	62	58
2	92	84	77	71	87	80	73	68	72	67	63		65	61	57		58	55	52	49
3	85	74	66	60	80	71	64	58	64	58	53		58	53	49		52	48	45	42
4	78	67	58	52	74	64	56	50	58	52	47		52	47	43		47	43	40	37
5	72	60	52	46	69	58	50	44	53	46	41		48	43	39		44	39	36	33
6	68	55	47	41	64	53	45	40	48	42	37		44	39	35		41	36	33	30
7	63	51	43	37	60	49	41	36	45	39	34		41	36	32		38	33	30	28
8	59	47	39	34	56	45	38	33	42	36	31		39	33	30		36	31	28	26
9	56	44	36	31	53	42	35	30	39	33	29		36	31	27		34	29	26	24
10	53	41	34	29	51	40	33	28	37	31	27		34	29	26		32	28	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	19156
5°	18903
10°	16620
15°	4034
20°	3367
25°	2802
30°	2214
35°	1836
40°	1570
45°	1421
50°	1287
55°	1188
60°	1121
65°	1040
70°	989
75°	942
80°	850
85°	809

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1421 cd/sqm

TEST NUMBER: P1245256

CATALOG NUMBER: PRLX-NIM-S-935-07L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	8.7
10°-20°	66.6	9.3
20°-30°	62.0	8.6
30°-40°	61.1	8.5
40°-50°	60.9	8.5
50°-60°	60.5	8.4
60°-70°	58.3	8.1
70°-80°	53.1	7.4
80°-90°	44.2	6.1
90°-100°	42.3	5.9
100°-110°	39.6	5.5
110°-120°	34.8	4.8
120°-130°	28.4	3.9
130°-140°	21.1	2.9
140°-150°	13.6	1.9
150°-160°	7.1	1.0
160°-170°	2.5	0.3
170°-180°	0.2	0.0
0°-30°	191.3	26.6
0°-40°	252.4	35.1
0°-60°	373.8	52.0
0°-90°	529.5	73.6
90°-120°	116.6	16.2
90°-150°	179.7	25.0
90°-180°	190.0	26.4
0°-180°	719.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	606	
5°	673	63
15°	172	67
25°	136	62
35°	97	61
45°	79	61
55°	67	61
65°	58	58
75°	51	53
85°	40	34
90°	39	21
95°	39	32
105°	38	40
115°	35	35
125°	31	28
135°	27	21
145°	22	14
155°	16	7
165°	8	2
175°	1	0
180°	0	

TEST NUMBER: P1245256

CATALOG NUMBER: PRLX-NIM-S-935-07L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	605.5
2.5°	624.9
5°	672.9
7.5°	665.1
10°	653.4
12.5°	280.0
15°	172.4
17.5°	163.4
20°	154.3
22.5°	146.5
25°	136.1
27.5°	124.5
30°	112.8
32.5°	103.7
35°	97.2
37.5°	90.8
40°	85.6
42.5°	81.7
45°	79.1
47.5°	75.2
50°	72.6
52.5°	70.0
55°	67.4
57.5°	64.8
60°	63.5
62.5°	60.9
65°	58.3
67.5°	57.0
70°	54.5
72.5°	53.2
75°	50.6
77.5°	48.0
80°	44.1
82.5°	41.5
85°	40.2
87.5°	38.9
90°	38.9
92.5°	38.9
95°	38.9
97.5°	38.9
100°	37.6
102.5°	37.6
105°	37.6
107.5°	37.6
110°	36.3

TEST NUMBER: P1245256

CATALOG NUMBER: PRLX-NIM-S-935-07L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	36.3
115°	35.0
117.5°	33.7
120°	33.7
122.5°	32.4
125°	31.1
127.5°	31.1
130°	29.8
132.5°	28.5
135°	27.2
137.5°	25.9
140°	24.6
142.5°	23.3
145°	22.0
147.5°	19.4
150°	18.2
152.5°	16.9
155°	15.6
157.5°	13.0
160°	11.7
162.5°	10.4
165°	7.8
167.5°	6.5
170°	5.2
172.5°	2.6
175°	1.3
177.5°	0.0
180°	0.0



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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	9.1	10.3	9.9	11.0	11.9	9.1	10.3	9.9	11.0	11.9
	3H	11.5	12.5	12.2	13.2	14.2	11.5	12.5	12.2	13.2	14.2
	4H	12.5	13.5	13.3	14.3	15.2	12.5	13.5	13.3	14.3	15.2
	6H	13.5	14.4	14.3	15.2	16.1	13.5	14.4	14.3	15.2	16.1
	8H	13.9	14.8	14.7	15.6	16.5	13.9	14.8	14.7	15.6	16.5
	12H	14.3	15.2	15.1	16.0	16.9	14.3	15.2	15.1	16.0	16.9
4H	2H	9.7	10.7	10.5	11.5	12.4	9.7	10.7	10.5	11.5	12.4
	3H	12.3	13.1	13.0	13.9	14.9	12.3	13.1	13.0	13.9	14.9
	4H	13.5	14.3	14.3	15.1	16.0	13.5	14.3	14.3	15.1	16.0
	6H	14.6	15.3	15.4	16.1	17.1	14.6	15.3	15.4	16.1	17.1
	8H	15.1	15.8	15.9	16.6	17.6	15.1	15.8	15.9	16.6	17.6
	12H	15.6	16.2	16.5	17.1	18.1	15.6	16.2	16.5	17.1	18.1
8H	4H	13.9	14.5	14.7	15.3	16.3	13.9	14.5	14.7	15.3	16.3
	6H	15.2	15.7	16.0	16.6	17.6	15.2	15.7	16.0	16.6	17.6
	8H	15.8	16.3	16.7	17.2	18.2	15.8	16.3	16.7	17.2	18.2
	12H	16.5	16.9	17.3	17.8	18.8	16.5	16.9	17.3	17.8	18.8
12H	4H	13.9	14.5	14.8	15.4	16.4	13.9	14.5	14.8	15.4	16.4
	6H	15.3	15.8	16.1	16.6	17.7	15.3	15.8	16.1	16.6	17.7
	8H	16.0	16.5	16.8	17.3	18.4	16.0	16.5	16.8	17.3	18.4

(END OF REPORT)