

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: P1245082

Luminaire Tested: PRLX-NIM-L-935-16L-U-WO

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-L-935-16L-U-WO
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, WOVEN OVAL SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

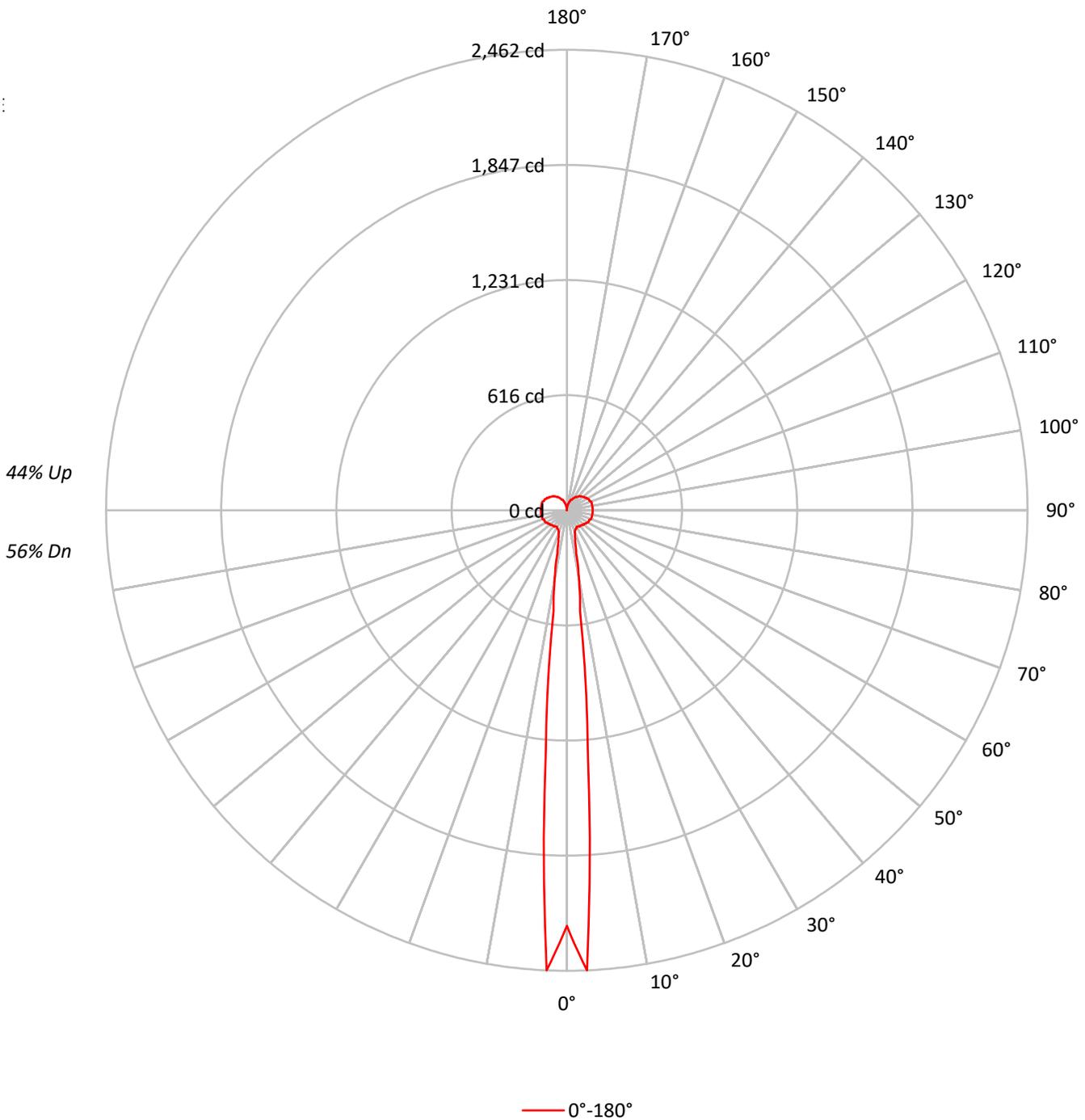
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1604.7 lumens
Efficiency: N/A
Efficacy: 41.4 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 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): 38.8
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: P1245082
CATALOG NUMBER: PRLX-NIM-L-935-16L-U-WO

Luminous Intensity Polar Plot





TEST NUMBER: P1245082

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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	108	108	108	108	101	101	101	101	86	86	86		73	73	73		61	61	61	56
1	95	89	83	78	87	82	77	73	70	66	62		58	55	53		48	45	43	38
2	85	76	68	61	78	70	63	57	59	54	49		49	45	42		40	37	34	30
3	77	66	57	50	71	61	53	47	52	45	40		43	38	34		35	31	28	24
4	71	58	49	42	65	54	46	40	46	39	34		38	33	29		31	27	24	20
5	65	52	43	36	60	48	40	34	41	35	30		34	29	25		28	24	21	18
6	60	47	38	32	55	44	36	30	37	31	26		31	26	22		26	22	19	16
7	56	43	34	28	51	40	32	27	34	28	23		29	24	20		24	20	17	15
8	52	39	31	25	48	36	29	24	32	25	21		27	22	18		23	19	16	13
9	49	36	28	23	45	34	27	22	29	23	19		25	20	17		21	17	15	12
10	46	33	26	21	43	31	25	20	27	22	18		24	19	16		20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	70258
5°	31812
10°	7574
15°	3003
20°	1903
25°	1520
30°	1305
35°	1211
40°	1212
45°	1151
50°	1173
55°	1202
60°	1239
65°	1219
70°	1272
75°	1271
80°	1279
85°	1298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1328 cd/sqm



TEST NUMBER: P1245082

CATALOG NUMBER: PRLX-NIM-L-935-16L-U-WO

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.1	5.9
10°-20°	53.5	3.3
20°-30°	52.0	3.2
30°-40°	66.7	4.2
40°-50°	87.5	5.5
50°-60°	109.9	6.8
60°-70°	130.9	8.2
70°-80°	145.9	9.1
80°-90°	150.5	9.4
90°-100°	150.5	9.4
100°-110°	145.9	9.1
110°-120°	130.1	8.1
120°-130°	106.8	6.7
130°-140°	81.6	5.1
140°-150°	54.9	3.4
150°-160°	30.2	1.9
160°-170°	12.1	0.8
170°-180°	1.5	0.1
0°-30°	199.7	12.4
0°-40°	266.4	16.6
0°-60°	463.8	28.9
0°-90°	891.1	55.5
90°-120°	426.4	26.6
90°-150°	669.8	41.7
90°-180°	714.0	44.5
0°-180°	1604.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2221	
5°	1290	94
15°	172	53
25°	110	52
35°	104	67
45°	110	88
55°	124	110
65°	131	131
75°	138	146
85°	138	113
90°	138	76
95°	138	113
105°	138	146
115°	131	130
125°	117	107
135°	104	82
145°	90	55
155°	62	30
165°	41	12
175°	7	1
180°	0	

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CATALOG NUMBER: PRLX-NIM-L-935-16L-U-WO

CANDELA DISTRIBUTION (FULL):

0°	
0°	2220.8
2.5°	2462.2
5°	1289.7
7.5°	544.9
10°	372.4
12.5°	234.5
15°	172.4
17.5°	144.8
20°	124.1
22.5°	117.2
25°	110.3
27.5°	110.3
30°	103.5
32.5°	103.5
35°	103.5
37.5°	110.3
40°	110.3
42.5°	110.3
45°	110.3
47.5°	117.2
50°	117.2
52.5°	117.2
55°	124.1
57.5°	124.1
60°	131.0
62.5°	131.0
65°	131.0
67.5°	131.0
70°	137.9
72.5°	137.9
75°	137.9
77.5°	137.9
80°	137.9
82.5°	137.9
85°	137.9
87.5°	137.9
90°	137.9
92.5°	137.9
95°	137.9
97.5°	137.9
100°	137.9
102.5°	137.9
105°	137.9
107.5°	137.9
110°	137.9

TEST NUMBER: P1245082

CATALOG NUMBER: PRLX-NIM-L-935-16L-U-WO

CANDELA DISTRIBUTION (continued):

	0°
112.5°	131.0
115°	131.0
117.5°	131.0
120°	124.1
122.5°	124.1
125°	117.2
127.5°	117.2
130°	110.3
132.5°	110.3
135°	103.5
137.5°	103.5
140°	96.6
142.5°	89.7
145°	89.7
147.5°	82.8
150°	75.9
152.5°	69.0
155°	62.1
157.5°	62.1
160°	55.2
162.5°	48.3
165°	41.4
167.5°	34.5
170°	27.6
172.5°	20.7
175°	6.9
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	8.1	9.1	9.0	10.0	11.2	8.1	9.1	9.0	10.0	11.2
	3H	11.2	12.1	12.0	13.0	14.2	11.2	12.1	12.0	13.0	14.2
	4H	12.6	13.6	13.6	14.5	15.7	12.6	13.6	13.6	14.5	15.7
	6H	14.1	14.9	15.0	15.9	17.1	14.1	14.9	15.0	15.9	17.1
	8H	14.8	15.6	15.7	16.5	17.8	14.8	15.6	15.7	16.5	17.8
	12H	15.4	16.2	16.4	17.2	18.4	15.4	16.2	16.4	17.2	18.4
4H	2H	8.9	9.8	9.8	10.7	11.9	8.9	9.8	9.8	10.7	11.9
	3H	12.1	12.9	13.1	13.9	15.1	12.1	12.9	13.1	13.9	15.1
	4H	13.8	14.5	14.7	15.5	16.7	13.8	14.5	14.7	15.5	16.7
	6H	15.4	16.0	16.3	17.0	18.2	15.4	16.0	16.3	17.0	18.2
	8H	16.1	16.8	17.1	17.7	19.0	16.1	16.8	17.1	17.7	19.0
	12H	16.9	17.5	17.9	18.5	19.7	16.9	17.5	17.9	18.5	19.7
8H	4H	14.3	14.9	15.2	15.9	17.2	14.3	14.9	15.2	15.9	17.2
	6H	16.1	16.6	17.1	17.6	18.9	16.1	16.6	17.1	17.6	18.9
	8H	17.0	17.5	18.0	18.5	19.8	17.0	17.5	18.0	18.5	19.8
	12H	17.9	18.4	18.9	19.4	20.7	17.9	18.4	18.9	19.4	20.7
12H	4H	14.4	15.0	15.4	16.0	17.2	14.4	15.0	15.4	16.0	17.2
	6H	16.3	16.8	17.3	17.8	19.1	16.3	16.8	17.3	17.8	19.1
	8H	17.3	17.7	18.2	18.7	20.0	17.3	17.7	18.2	18.7	20.0

(END OF REPORT)