

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: P1245076

Luminaire Tested: PRLX-NIM-L-935-12L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245076
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-935-12L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 4
Light Source: -
Ballast/Driver: -

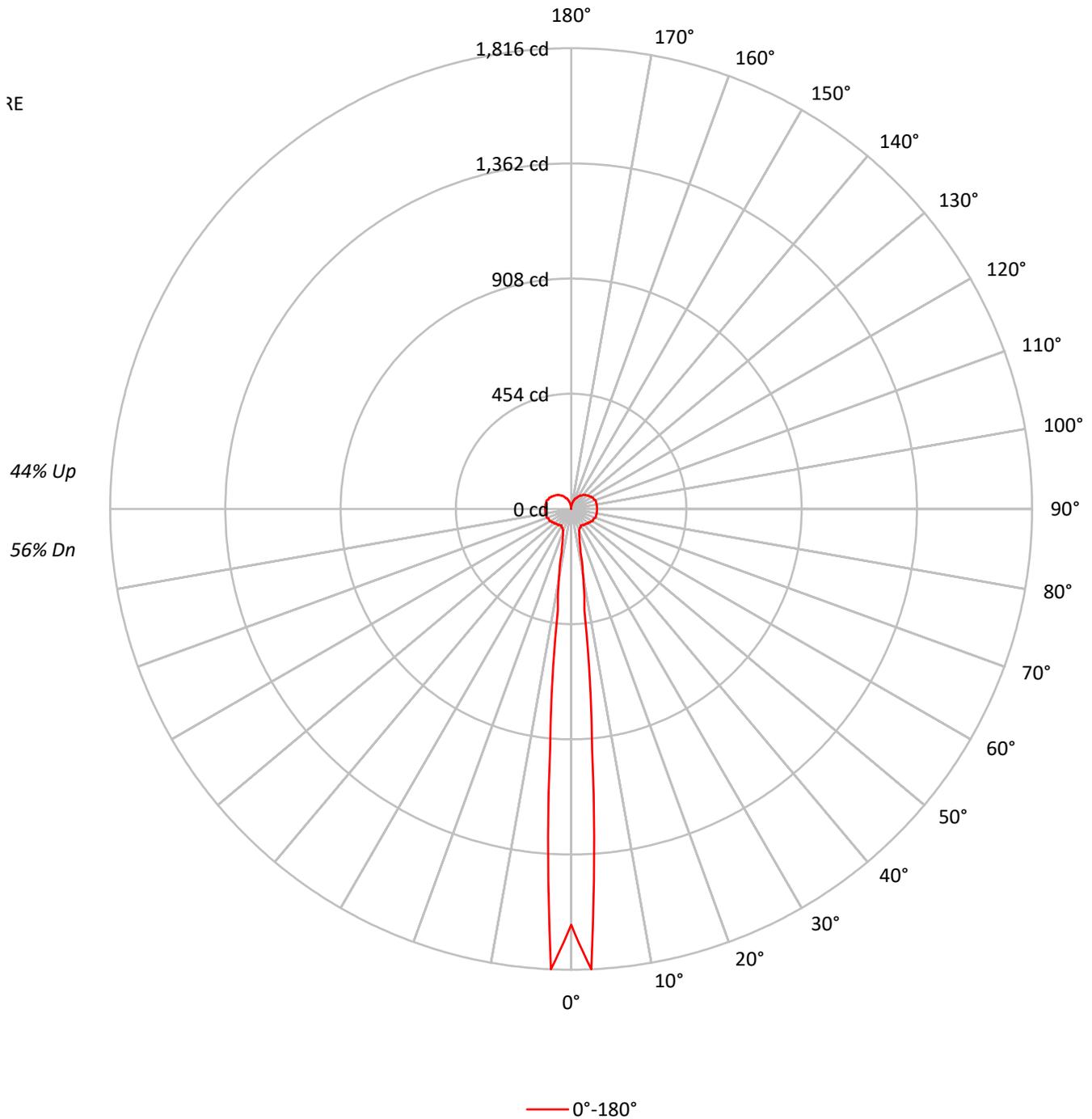
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1184.3 lumens
Efficiency: N/A
Efficacy: 38.8 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): 30.5
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

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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	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°	51830
5°	23467
10°	5587
15°	2215
20°	1404
25°	1122
30°	962
35°	893
40°	895
45°	850
50°	866
55°	887
60°	914
65°	900
70°	939
75°	938
80°	945
85°	958

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 980 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.4	5.9
10°-20°	39.5	3.3
20°-30°	38.4	3.2
30°-40°	49.2	4.2
40°-50°	64.6	5.5
50°-60°	81.1	6.9
60°-70°	96.6	8.2
70°-80°	107.7	9.1
80°-90°	111.1	9.4
90°-100°	111.1	9.4
100°-110°	107.7	9.1
110°-120°	96.0	8.1
120°-130°	78.8	6.7
130°-140°	60.2	5.1
140°-150°	40.5	3.4
150°-160°	22.3	1.9
160°-170°	8.9	0.8
170°-180°	1.1	0.1
0°-30°	147.3	12.4
0°-40°	196.5	16.6
0°-60°	342.2	28.9
0°-90°	657.6	55.5
90°-120°	314.8	26.6
90°-150°	494.3	41.7
90°-180°	527.0	44.5
0°-180°	1184.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1638	
5°	951	69
15°	127	39
25°	81	38
35°	76	49
45°	81	65
55°	92	81
65°	97	97
75°	102	108
85°	102	83
90°	102	56
95°	102	83
105°	102	108
115°	97	96
125°	86	79
135°	76	60
145°	66	41
155°	46	22
165°	30	9
175°	5	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1638.3
2.5°	1816.3
5°	951.4
7.5°	401.9
10°	274.7
12.5°	173.0
15°	127.2
17.5°	106.8
20°	91.6
22.5°	86.5
25°	81.4
27.5°	81.4
30°	76.3
32.5°	76.3
35°	76.3
37.5°	81.4
40°	81.4
42.5°	81.4
45°	81.4
47.5°	86.5
50°	86.5
52.5°	86.5
55°	91.6
57.5°	91.6
60°	96.7
62.5°	96.7
65°	96.7
67.5°	96.7
70°	101.8
72.5°	101.8
75°	101.8
77.5°	101.8
80°	101.8
82.5°	101.8
85°	101.8
87.5°	101.8
90°	101.8
92.5°	101.8
95°	101.8
97.5°	101.8
100°	101.8
102.5°	101.8
105°	101.8
107.5°	101.8
110°	101.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	96.7
115°	96.7
117.5°	96.7
120°	91.6
122.5°	91.6
125°	86.5
127.5°	86.5
130°	81.4
132.5°	81.4
135°	76.3
137.5°	76.3
140°	71.2
142.5°	66.1
145°	66.1
147.5°	61.1
150°	56.0
152.5°	50.9
155°	45.8
157.5°	45.8
160°	40.7
162.5°	35.6
165°	30.5
167.5°	25.4
170°	20.4
172.5°	15.3
175°	5.1
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	7.0	8.1	7.9	9.0	10.2	7.0	8.1	7.9	9.0	10.2
	3H	10.1	11.0	11.0	12.0	13.2	10.1	11.0	11.0	12.0	13.2
	4H	11.6	12.5	12.5	13.4	14.6	11.6	12.5	12.5	13.4	14.6
	6H	13.0	13.9	14.0	14.8	16.0	13.0	13.9	14.0	14.8	16.0
	8H	13.7	14.5	14.6	15.5	16.7	13.7	14.5	14.6	15.5	16.7
	12H	14.4	15.2	15.3	16.1	17.4	14.4	15.2	15.3	16.1	17.4
4H	2H	7.8	8.7	8.7	9.7	10.9	7.8	8.7	8.7	9.7	10.9
	3H	11.1	11.9	12.0	12.8	14.1	11.1	11.9	12.0	12.8	14.1
	4H	12.7	13.5	13.6	14.4	15.7	12.7	13.5	13.6	14.4	15.7
	6H	14.3	15.0	15.3	15.9	17.2	14.3	15.0	15.3	15.9	17.2
	8H	15.1	15.7	16.0	16.7	17.9	15.1	15.7	16.0	16.7	17.9
	12H	15.8	16.4	16.8	17.4	18.7	15.8	16.4	16.8	17.4	18.7
8H	4H	13.2	13.9	14.2	14.8	16.1	13.2	13.9	14.2	14.8	16.1
	6H	15.0	15.6	16.0	16.6	17.8	15.0	15.6	16.0	16.6	17.8
	8H	16.0	16.4	16.9	17.4	18.7	16.0	16.4	16.9	17.4	18.7
	12H	16.9	17.3	17.9	18.3	19.6	16.9	17.3	17.9	18.3	19.6
12H	4H	13.3	13.9	14.3	14.9	16.2	13.3	13.9	14.3	14.9	16.2
	6H	15.2	15.7	16.2	16.7	18.0	15.2	15.7	16.2	16.7	18.0
	8H	16.2	16.6	17.2	17.6	19.0	16.2	16.6	17.2	17.6	19.0

(END OF REPORT)