

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: P1245084

Luminaire Tested: PRLX-NIM-L-935-20L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245084
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-935-20L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

Summary

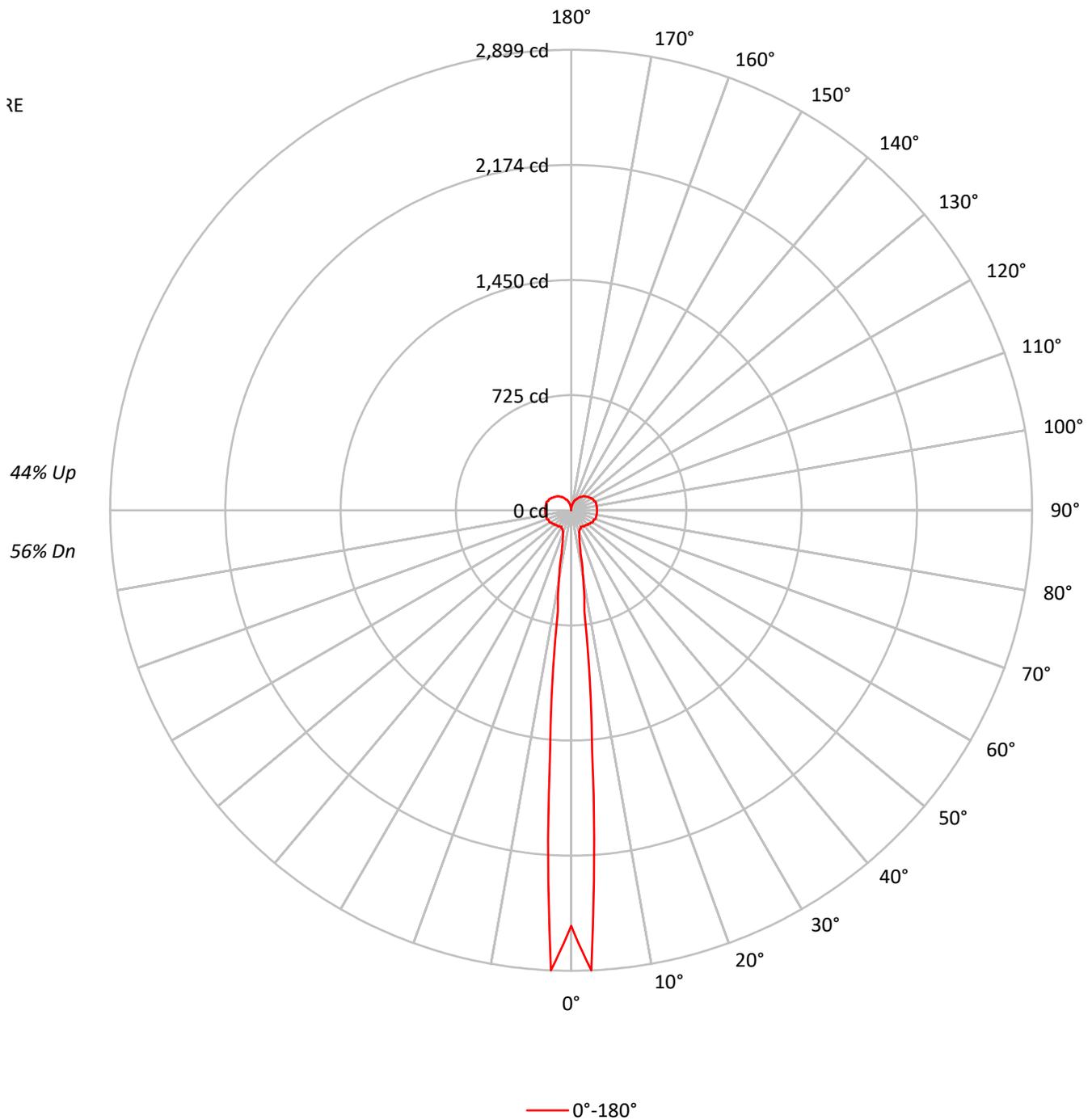
Lumens per Lamp: N/A
Luminaire Lumens: 1889.8 lumens
Efficiency: N/A
Efficacy: 38.9 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 48.6
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°	82732
5°	37460
10°	8921
15°	3536
20°	2241
25°	1791
30°	1536
35°	1425
40°	1428
45°	1356
50°	1383
55°	1416
60°	1459
65°	1435
70°	1498
75°	1497
80°	1507
85°	1529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1564 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.9	5.9
10°-20°	63.0	3.3
20°-30°	61.3	3.2
30°-40°	78.6	4.2
40°-50°	103.1	5.5
50°-60°	129.5	6.9
60°-70°	154.2	8.2
70°-80°	171.8	9.1
80°-90°	177.2	9.4
90°-100°	177.2	9.4
100°-110°	171.8	9.1
110°-120°	153.2	8.1
120°-130°	125.8	6.7
130°-140°	96.1	5.1
140°-150°	64.7	3.4
150°-160°	35.5	1.9
160°-170°	14.3	0.8
170°-180°	1.7	0.1
0°-30°	235.1	12.4
0°-40°	313.7	16.6
0°-60°	546.3	28.9
0°-90°	1049.5	55.5
90°-120°	502.2	26.6
90°-150°	788.8	41.7
90°-180°	840.0	44.4
0°-180°	1889.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2615	
5°	1519	111
15°	203	63
25°	130	61
35°	122	79
45°	130	103
55°	146	129
65°	154	154
75°	162	172
85°	162	133
90°	162	89
95°	162	133
105°	162	172
115°	154	153
125°	138	126
135°	122	96
145°	106	65
155°	73	36
165°	49	14
175°	8	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2615.1
2.5°	2899.4
5°	1518.7
7.5°	641.6
10°	438.6
12.5°	276.1
15°	203.0
17.5°	170.6
20°	146.2
22.5°	138.1
25°	129.9
27.5°	129.9
30°	121.8
32.5°	121.8
35°	121.8
37.5°	129.9
40°	129.9
42.5°	129.9
45°	129.9
47.5°	138.1
50°	138.1
52.5°	138.1
55°	146.2
57.5°	146.2
60°	154.3
62.5°	154.3
65°	154.3
67.5°	154.3
70°	162.4
72.5°	162.4
75°	162.4
77.5°	162.4
80°	162.4
82.5°	162.4
85°	162.4
87.5°	162.4
90°	162.4
92.5°	162.4
95°	162.4
97.5°	162.4
100°	162.4
102.5°	162.4
105°	162.4
107.5°	162.4
110°	162.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	154.3
115°	154.3
117.5°	154.3
120°	146.2
122.5°	146.2
125°	138.1
127.5°	138.1
130°	129.9
132.5°	129.9
135°	121.8
137.5°	121.8
140°	113.7
142.5°	105.6
145°	105.6
147.5°	97.5
150°	89.3
152.5°	81.2
155°	73.1
157.5°	73.1
160°	65.0
162.5°	56.9
165°	48.7
167.5°	40.6
170°	32.5
172.5°	24.4
175°	8.1
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	8.7	9.7	9.5	10.6	11.8	8.7	9.7	9.5	10.6	11.8
	3H	11.7	12.7	12.6	13.6	14.8	11.7	12.7	12.6	13.6	14.8
	4H	13.2	14.1	14.1	15.1	16.3	13.2	14.1	14.1	15.1	16.3
	6H	14.7	15.5	15.6	16.4	17.7	14.7	15.5	15.6	16.4	17.7
	8H	15.3	16.1	16.3	17.1	18.3	15.3	16.1	16.3	17.1	18.3
	12H	16.0	16.8	16.9	17.7	19.0	16.0	16.8	16.9	17.7	19.0
4H	2H	9.5	10.4	10.4	11.3	12.5	9.5	10.4	10.4	11.3	12.5
	3H	12.7	13.5	13.6	14.5	15.7	12.7	13.5	13.6	14.5	15.7
	4H	14.3	15.1	15.3	16.0	17.3	14.3	15.1	15.3	16.0	17.3
	6H	15.9	16.6	16.9	17.6	18.8	15.9	16.6	16.9	17.6	18.8
	8H	16.7	17.3	17.6	18.3	19.6	16.7	17.3	17.6	18.3	19.6
	12H	17.5	18.0	18.4	19.0	20.3	17.5	18.0	18.4	19.0	20.3
8H	4H	14.9	15.5	15.8	16.5	17.7	14.9	15.5	15.8	16.5	17.7
	6H	16.7	17.2	17.6	18.2	19.5	16.7	17.2	17.6	18.2	19.5
	8H	17.6	18.1	18.5	19.1	20.3	17.6	18.1	18.5	19.1	20.3
	12H	18.5	18.9	19.5	19.9	21.3	18.5	18.9	19.5	19.9	21.3
12H	4H	15.0	15.5	15.9	16.5	17.8	15.0	15.5	15.9	16.5	17.8
	6H	16.8	17.3	17.8	18.3	19.6	16.8	17.3	17.8	18.3	19.6
	8H	17.8	18.3	18.8	19.3	20.6	17.8	18.3	18.8	19.3	20.6

(END OF REPORT)