

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: P1244846

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-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: -

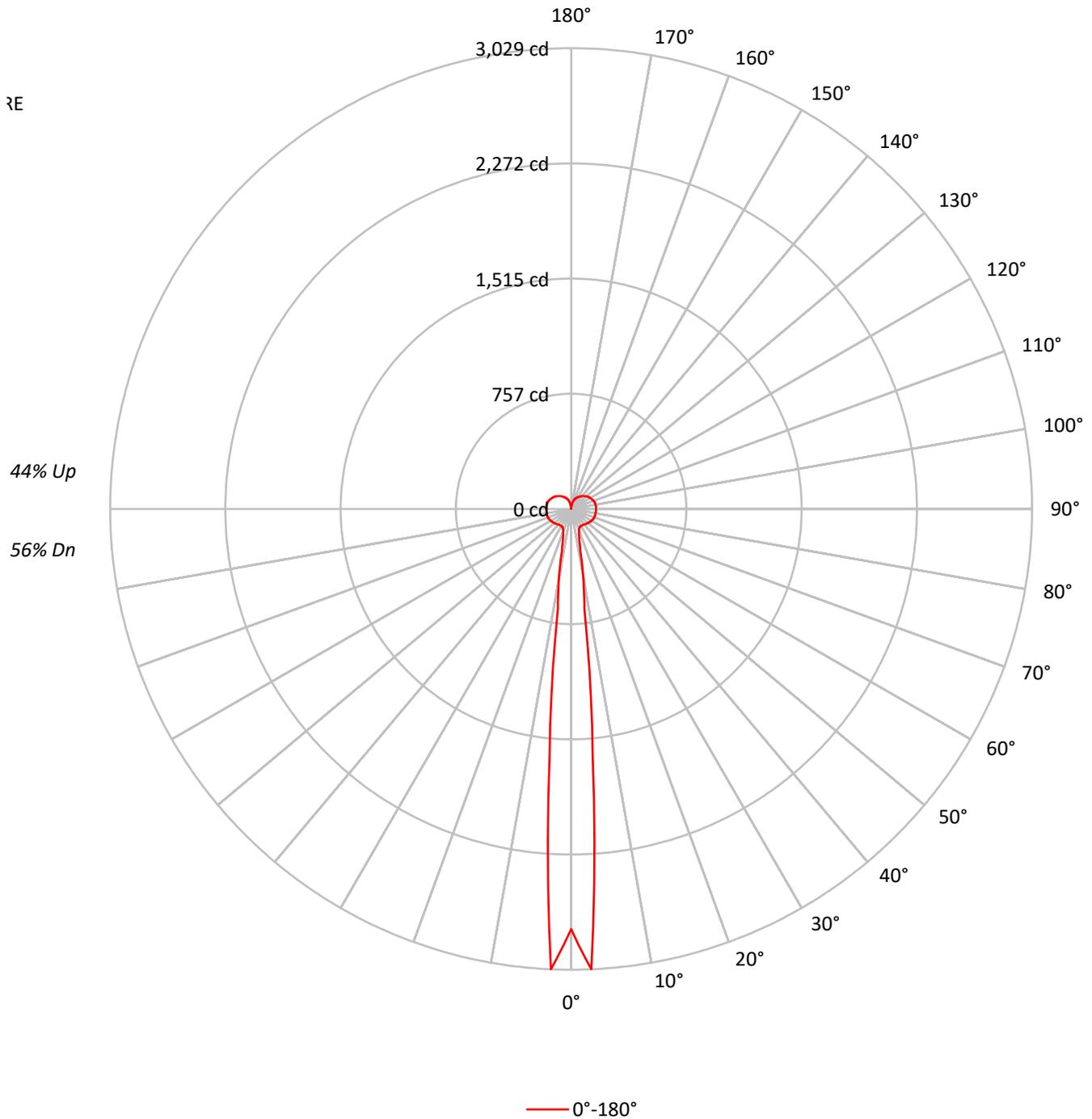
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1905.1 lumens
Efficiency: N/A
Efficacy: 39.2 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	56
1	95	89	83	78	88	82	77	73	70	66	63		59	56	53		48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50		50	46	42		41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41		43	39	35		36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35		39	34	30		32	28	25	21
5	65	52	43	36	60	48	40	34	41	35	30		35	30	26		29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26		32	27	23		27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24		29	24	21		25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21		27	22	19		23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20		26	21	17		22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18		24	19	16		21	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	87357
5°	40060
10°	9338
15°	3565
20°	2303
25°	1832
30°	1628
35°	1522
40°	1472
45°	1448
50°	1437
55°	1446
60°	1456
65°	1477
70°	1491
75°	1508
80°	1509
85°	1540

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1575 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	6.1
10°-20°	64.1	3.4
20°-30°	62.5	3.3
30°-40°	82.0	4.3
40°-50°	107.5	5.6
50°-60°	133.8	7.0
60°-70°	157.4	8.3
70°-80°	172.2	9.0
80°-90°	178.1	9.3
90°-100°	178.4	9.4
100°-110°	169.5	8.9
110°-120°	150.0	7.9
120°-130°	123.5	6.5
130°-140°	93.2	4.9
140°-150°	63.0	3.3
150°-160°	36.9	1.9
160°-170°	15.2	0.8
170°-180°	1.5	0.1
0°-30°	243.1	12.8
0°-40°	325.1	17.1
0°-60°	566.4	29.7
0°-90°	1074.1	56.4
90°-120°	497.8	26.1
90°-150°	777.5	40.8
90°-180°	831.0	43.6
0°-180°	1905.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2761	
5°	1624	116
15°	205	64
25°	133	62
35°	130	82
45°	139	108
55°	149	134
65°	159	157
75°	164	172
85°	164	133
90°	164	90
95°	164	134
105°	161	170
115°	151	150
125°	138	123
135°	120	93
145°	100	63
155°	79	37
165°	54	15
175°	8	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2761.3
2.5°	3029.1
5°	1624.1
7.5°	660.9
10°	459.1
12.5°	281.2
15°	204.7
17.5°	170.3
20°	150.2
22.5°	139.6
25°	132.9
27.5°	130.1
30°	129.1
32.5°	129.1
35°	130.1
37.5°	131.0
40°	133.9
42.5°	135.8
45°	138.7
47.5°	141.6
50°	143.5
52.5°	146.3
55°	149.2
57.5°	152.1
60°	154.0
62.5°	156.9
65°	158.8
67.5°	160.7
70°	161.6
72.5°	162.6
75°	163.6
77.5°	162.6
80°	162.6
82.5°	162.6
85°	163.6
87.5°	163.6
90°	163.6
92.5°	163.6
95°	163.6
97.5°	163.6
100°	162.6
102.5°	161.6
105°	160.7
107.5°	158.8
110°	156.9



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	154.0
115°	151.1
117.5°	148.3
120°	144.4
122.5°	141.6
125°	137.7
127.5°	133.9
130°	129.1
132.5°	125.3
135°	120.5
137.5°	114.8
140°	110.0
142.5°	105.2
145°	99.5
147.5°	94.7
150°	89.9
152.5°	84.2
155°	79.4
157.5°	73.6
160°	67.9
162.5°	61.2
165°	53.6
167.5°	43.0
170°	29.7
172.5°	18.2
175°	7.7
177.5°	1.9
180°	1.0



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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	8.9	9.9	9.8	10.9	12.0	8.9	9.9	9.8	10.9	12.0
	3H	11.9	12.9	12.8	13.8	15.0	11.9	12.9	12.8	13.8	15.0
	4H	13.3	14.3	14.2	15.2	16.4	13.3	14.3	14.2	15.2	16.4
	6H	14.7	15.6	15.6	16.5	17.7	14.7	15.6	15.6	16.5	17.7
	8H	15.4	16.2	16.3	17.2	18.4	15.4	16.2	16.3	17.2	18.4
	12H	16.1	16.8	17.0	17.8	19.0	16.1	16.8	17.0	17.8	19.0
4H	2H	9.7	10.6	10.6	11.5	12.7	9.7	10.6	10.6	11.5	12.7
	3H	12.9	13.7	13.8	14.6	15.8	12.9	13.7	13.8	14.6	15.8
	4H	14.4	15.2	15.4	16.1	17.4	14.4	15.2	15.4	16.1	17.4
	6H	16.0	16.7	16.9	17.6	18.9	16.0	16.7	16.9	17.6	18.9
	8H	16.8	17.4	17.7	18.3	19.6	16.8	17.4	17.7	18.3	19.6
	12H	17.5	18.1	18.5	19.1	20.3	17.5	18.1	18.5	19.1	20.3
8H	4H	14.9	15.6	15.9	16.5	17.8	14.9	15.6	15.9	16.5	17.8
	6H	16.7	17.2	17.7	18.3	19.5	16.7	17.2	17.7	18.3	19.5
	8H	17.6	18.1	18.6	19.1	20.4	17.6	18.1	18.6	19.1	20.4
	12H	18.5	19.0	19.5	20.0	21.3	18.5	19.0	19.5	20.0	21.3
12H	4H	15.1	15.6	16.0	16.6	17.9	15.1	15.6	16.0	16.6	17.9
	6H	16.9	17.4	17.9	18.4	19.7	16.9	17.4	17.9	18.4	19.7
	8H	17.9	18.3	18.8	19.3	20.6	17.9	18.3	18.8	19.3	20.6

(END OF REPORT)