

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: P1245048

Luminaire Tested: PRLX-NIM-L-930-16L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245048
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-930-16L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

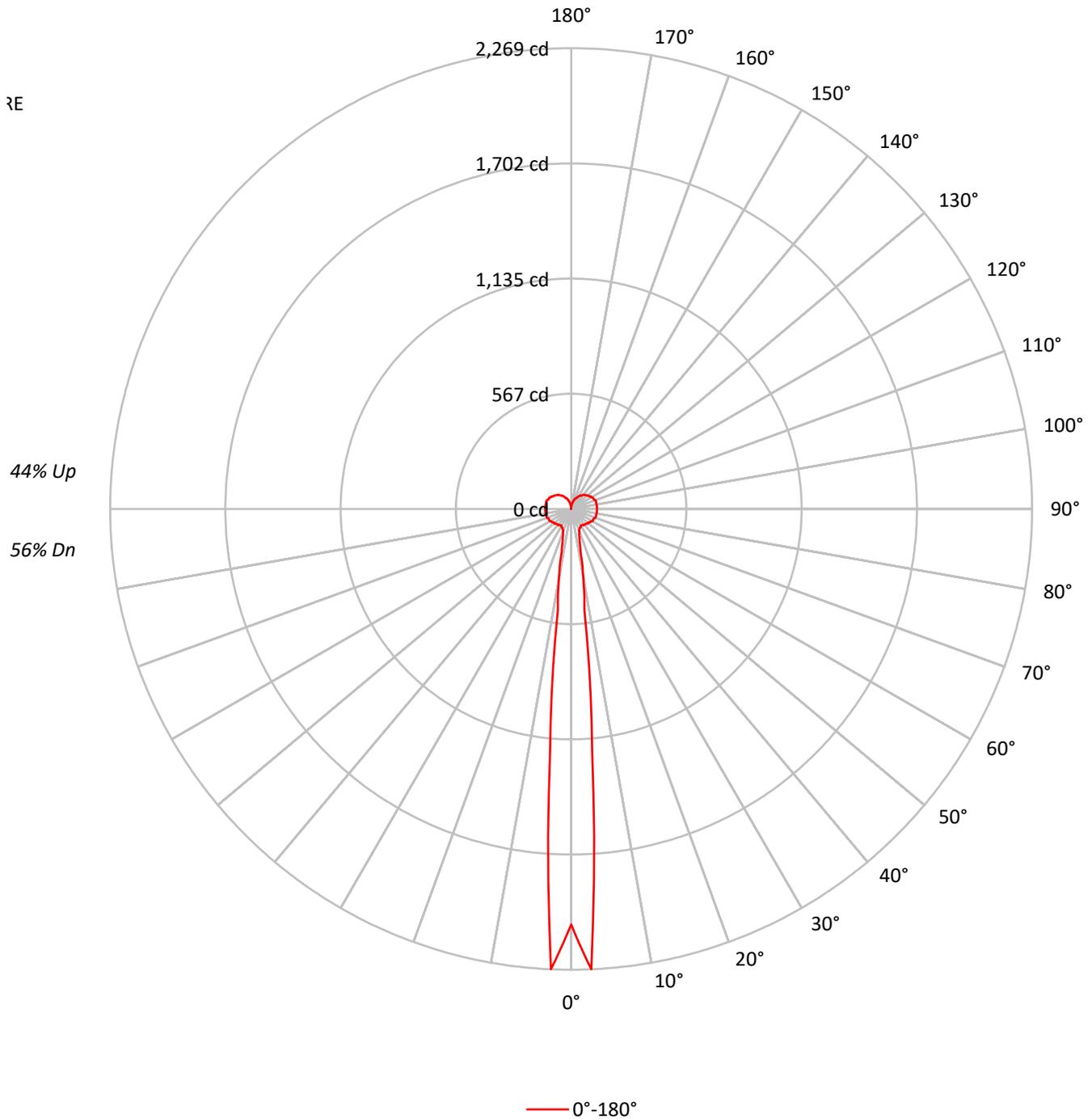
Lumens per Lamp: N/A
Luminaire Lumens: 1479.0 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 38.8
Input Voltage (V): NR
Input Current (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

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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°	64744
5°	29316
10°	6981
15°	2768
20°	1754
25°	1402
30°	1202
35°	1115
40°	1118
45°	1062
50°	1081
55°	1108
60°	1142
65°	1124
70°	1172
75°	1171
80°	1179
85°	1197

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1224 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	5.9
10°-20°	49.3	3.3
20°-30°	47.9	3.2
30°-40°	61.5	4.2
40°-50°	80.7	5.5
50°-60°	101.3	6.8
60°-70°	120.7	8.2
70°-80°	134.5	9.1
80°-90°	138.7	9.4
90°-100°	138.7	9.4
100°-110°	134.5	9.1
110°-120°	119.9	8.1
120°-130°	98.4	6.7
130°-140°	75.2	5.1
140°-150°	50.6	3.4
150°-160°	27.8	1.9
160°-170°	11.2	0.8
170°-180°	1.4	0.1
0°-30°	184.0	12.4
0°-40°	245.5	16.6
0°-60°	427.5	28.9
0°-90°	821.3	55.5
90°-120°	393.1	26.6
90°-150°	617.3	41.7
90°-180°	658.0	44.5
0°-180°	1479.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2046	
5°	1188	87
15°	159	49
25°	102	48
35°	95	61
45°	102	81
55°	114	101
65°	121	121
75°	127	134
85°	127	104
90°	127	70
95°	127	104
105°	127	134
115°	121	120
125°	108	98
135°	95	75
145°	83	51
155°	57	28
165°	38	11
175°	6	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2046.5
2.5°	2268.9
5°	1188.5
7.5°	502.1
10°	343.2
12.5°	216.1
15°	158.9
17.5°	133.5
20°	114.4
22.5°	108.0
25°	101.7
27.5°	101.7
30°	95.3
32.5°	95.3
35°	95.3
37.5°	101.7
40°	101.7
42.5°	101.7
45°	101.7
47.5°	108.0
50°	108.0
52.5°	108.0
55°	114.4
57.5°	114.4
60°	120.8
62.5°	120.8
65°	120.8
67.5°	120.8
70°	127.1
72.5°	127.1
75°	127.1
77.5°	127.1
80°	127.1
82.5°	127.1
85°	127.1
87.5°	127.1
90°	127.1
92.5°	127.1
95°	127.1
97.5°	127.1
100°	127.1
102.5°	127.1
105°	127.1
107.5°	127.1
110°	127.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	120.8
115°	120.8
117.5°	120.8
120°	114.4
122.5°	114.4
125°	108.0
127.5°	108.0
130°	101.7
132.5°	101.7
135°	95.3
137.5°	95.3
140°	89.0
142.5°	82.6
145°	82.6
147.5°	76.3
150°	69.9
152.5°	63.6
155°	57.2
157.5°	57.2
160°	50.8
162.5°	44.5
165°	38.1
167.5°	31.8
170°	25.4
172.5°	19.1
175°	6.4
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	7.8	8.8	8.7	9.8	10.9	7.8	8.8	8.7	9.8	10.9
	3H	10.9	11.8	11.8	12.8	14.0	10.9	11.8	11.8	12.8	14.0
	4H	12.4	13.3	13.3	14.2	15.4	12.4	13.3	13.3	14.2	15.4
	6H	13.8	14.7	14.7	15.6	16.8	13.8	14.7	14.7	15.6	16.8
	8H	14.5	15.3	15.4	16.3	17.5	14.5	15.3	15.4	16.3	17.5
	12H	15.1	15.9	16.1	16.9	18.1	15.1	15.9	16.1	16.9	18.1
4H	2H	8.6	9.5	9.5	10.4	11.7	8.6	9.5	9.5	10.4	11.7
	3H	11.9	12.7	12.8	13.6	14.8	11.9	12.7	12.8	13.6	14.8
	4H	13.5	14.2	14.4	15.2	16.4	13.5	14.2	14.4	15.2	16.4
	6H	15.1	15.7	16.0	16.7	18.0	15.1	15.7	16.0	16.7	18.0
	8H	15.9	16.5	16.8	17.4	18.7	15.9	16.5	16.8	17.4	18.7
	12H	16.6	17.2	17.6	18.2	19.4	16.6	17.2	17.6	18.2	19.4
8H	4H	14.0	14.6	15.0	15.6	16.9	14.0	14.6	15.0	15.6	16.9
	6H	15.8	16.3	16.8	17.4	18.6	15.8	16.3	16.8	17.4	18.6
	8H	16.7	17.2	17.7	18.2	19.5	16.7	17.2	17.7	18.2	19.5
	12H	17.7	18.1	18.6	19.1	20.4	17.7	18.1	18.6	19.1	20.4
12H	4H	14.1	14.7	15.1	15.7	17.0	14.1	14.7	15.1	15.7	17.0
	6H	16.0	16.5	17.0	17.5	18.8	16.0	16.5	17.0	17.5	18.8
	8H	17.0	17.4	18.0	18.4	19.7	17.0	17.4	18.0	18.4	19.7

(END OF REPORT)