

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: P1245004

Luminaire Tested: PRLX-NIM-L-927-05L-U-NL

Issue Date: 1/30/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1245004  
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-927-05L-U-NL  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF  
LIGHT LEVEL 2  
Light Source: -  
Ballast/Driver: -

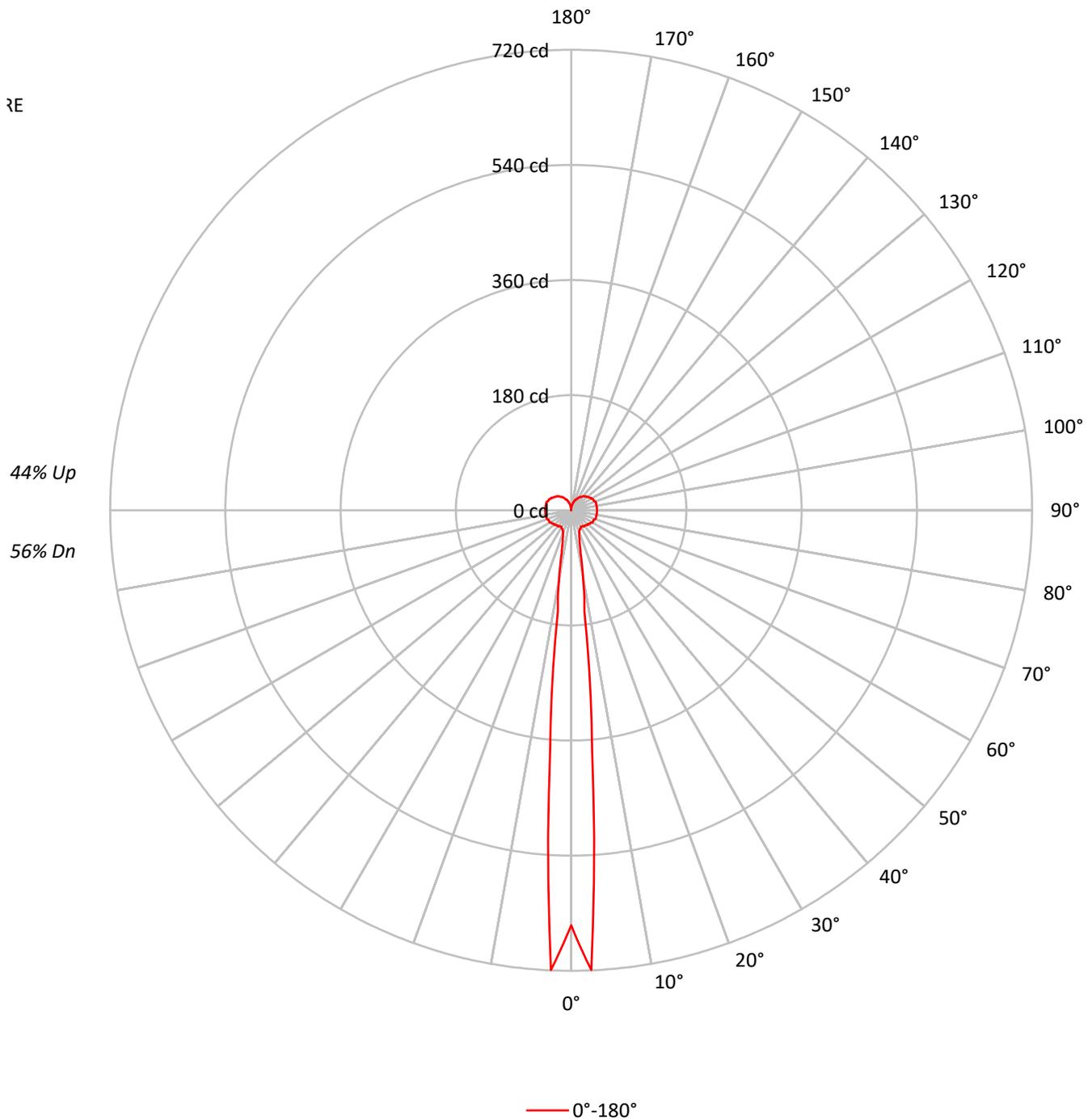
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 469.0 lumens  
Efficiency: N/A  
Efficacy: 31.7 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): 14.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	20529
5°	9297
10°	2213
15°	878
20°	557
25°	444
30°	381
35°	353
40°	354
45°	336
50°	343
55°	352
60°	362
65°	356
70°	372
75°	371
80°	374
85°	379

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 388 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.5	5.9
10°-20°	15.6	3.3
20°-30°	15.2	3.2
30°-40°	19.5	4.2
40°-50°	25.6	5.5
50°-60°	32.2	6.9
60°-70°	38.3	8.2
70°-80°	42.6	9.1
80°-90°	44.0	9.4
90°-100°	44.0	9.4
100°-110°	42.6	9.1
110°-120°	38.0	8.1
120°-130°	31.2	6.7
130°-140°	23.8	5.1
140°-150°	16.1	3.4
150°-160°	8.8	1.9
160°-170°	3.5	0.8
170°-180°	0.4	0.1
0°-30°	58.3	12.4
0°-40°	77.8	16.6
0°-60°	135.5	28.9
0°-90°	260.4	55.5
90°-120°	124.6	26.6
90°-150°	195.8	41.7
90°-180°	209.0	44.6
0°-180°	469.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	649	
5°	377	28
15°	50	16
25°	32	15
35°	30	19
45°	32	26
55°	36	32
65°	38	38
75°	40	43
85°	40	33
90°	40	22
95°	40	33
105°	40	43
115°	38	38
125°	34	31
135°	30	24
145°	26	16
155°	18	9
165°	12	4
175°	2	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	648.9
2.5°	719.5
5°	376.9
7.5°	159.2
10°	108.8
12.5°	68.5
15°	50.4
17.5°	42.3
20°	36.3
22.5°	34.3
25°	32.2
27.5°	32.2
30°	30.2
32.5°	30.2
35°	30.2
37.5°	32.2
40°	32.2
42.5°	32.2
45°	32.2
47.5°	34.3
50°	34.3
52.5°	34.3
55°	36.3
57.5°	36.3
60°	38.3
62.5°	38.3
65°	38.3
67.5°	38.3
70°	40.3
72.5°	40.3
75°	40.3
77.5°	40.3
80°	40.3
82.5°	40.3
85°	40.3
87.5°	40.3
90°	40.3
92.5°	40.3
95°	40.3
97.5°	40.3
100°	40.3
102.5°	40.3
105°	40.3
107.5°	40.3
110°	40.3



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	38.3
115°	38.3
117.5°	38.3
120°	36.3
122.5°	36.3
125°	34.3
127.5°	34.3
130°	32.2
132.5°	32.2
135°	30.2
137.5°	30.2
140°	28.2
142.5°	26.2
145°	26.2
147.5°	24.2
150°	22.2
152.5°	20.2
155°	18.1
157.5°	18.1
160°	16.1
162.5°	14.1
165°	12.1
167.5°	10.1
170°	8.1
172.5°	6.0
175°	2.0
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	3.8	4.9	4.7	5.8	7.0	3.8	4.9	4.7	5.8	7.0
	3H	6.9	7.8	7.8	8.8	10.0	6.9	7.8	7.8	8.8	10.0
	4H	8.4	9.3	9.3	10.2	11.4	8.4	9.3	9.3	10.2	11.4
	6H	9.8	10.7	10.7	11.6	12.8	9.8	10.7	10.7	11.6	12.8
	8H	10.5	11.3	11.4	12.3	13.5	10.5	11.3	11.4	12.3	13.5
	12H	11.2	11.9	12.1	12.9	14.1	11.2	11.9	12.1	12.9	14.1
4H	2H	4.6	5.5	5.5	6.5	7.7	4.6	5.5	5.5	6.5	7.7
	3H	7.9	8.7	8.8	9.6	10.9	7.9	8.7	8.8	9.6	10.9
	4H	9.5	10.2	10.4	11.2	12.4	9.5	10.2	10.4	11.2	12.4
	6H	11.1	11.7	12.0	12.7	14.0	11.1	11.7	12.0	12.7	14.0
	8H	11.9	12.5	12.8	13.5	14.7	11.9	12.5	12.8	13.5	14.7
	12H	12.6	13.2	13.6	14.2	15.5	12.6	13.2	13.6	14.2	15.5
8H	4H	10.0	10.6	11.0	11.6	12.9	10.0	10.6	11.0	11.6	12.9
	6H	11.8	12.3	12.8	13.4	14.6	11.8	12.3	12.8	13.4	14.6
	8H	12.7	13.2	13.7	14.2	15.5	12.7	13.2	13.7	14.2	15.5
	12H	13.7	14.1	14.6	15.1	16.4	13.7	14.1	14.6	15.1	16.4
12H	4H	10.1	10.7	11.1	11.7	13.0	10.1	10.7	11.1	11.7	13.0
	6H	12.0	12.5	13.0	13.5	14.8	12.0	12.5	13.0	13.5	14.8
	8H	13.0	13.4	14.0	14.4	15.7	13.0	13.4	14.0	14.4	15.7

(END OF REPORT)