

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: P1245053

Luminaire Tested: PRLX-NIM-L-930-20L-U-NR

Issue Date: 1/30/2026

**Test Information**

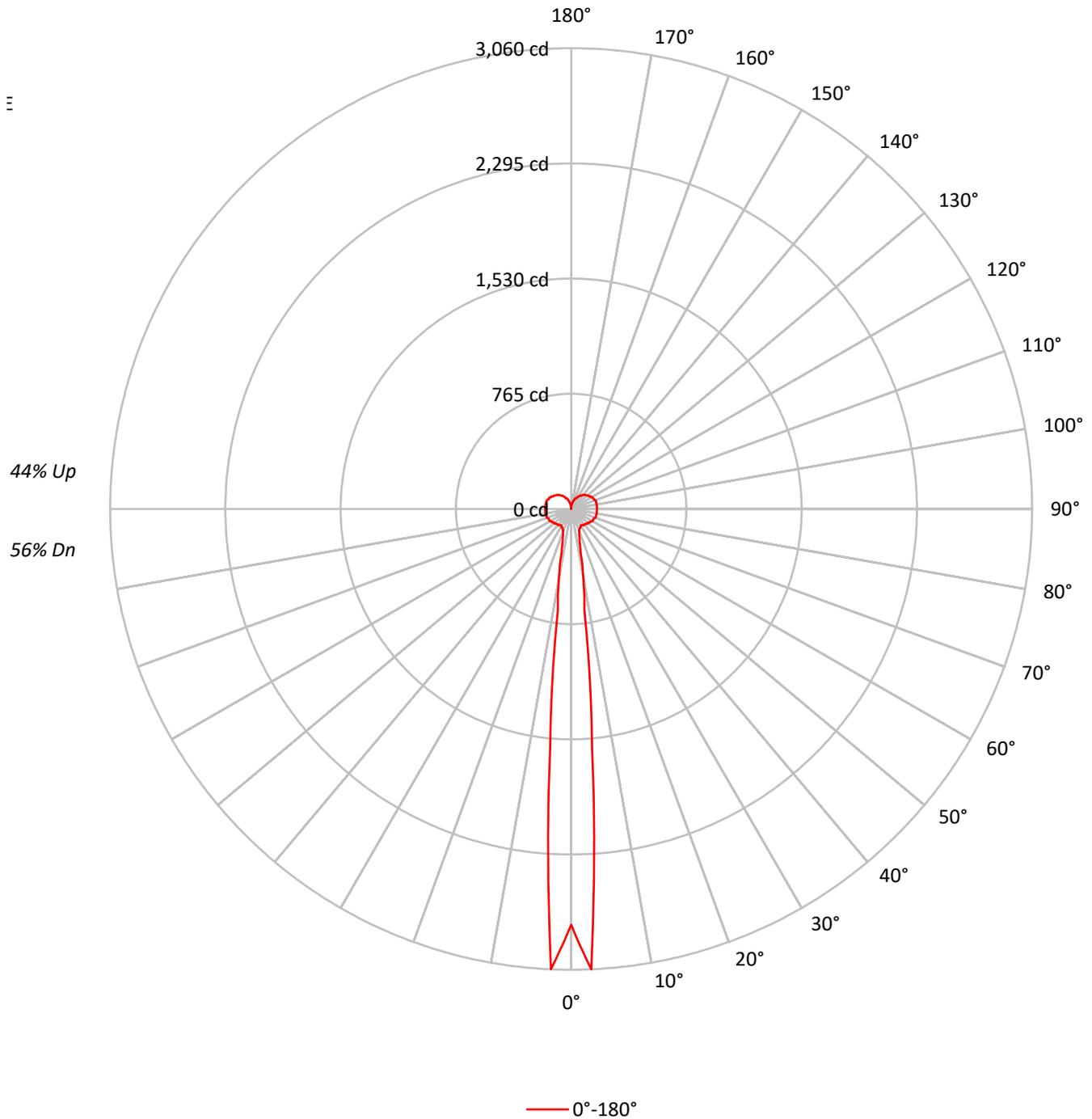
Test Method: LM-79-2019  
Report Number: P1245053  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-L-930-20L-U-NR  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE  
LIGHT LEVEL 6  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1995.2 lumens  
Efficiency: N/A  
Efficacy: 41.1 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): 48.6  
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°	87329
5°	39542
10°	9415
15°	3732
20°	2366
25°	1891
30°	1622
35°	1505
40°	1508
45°	1432
50°	1459
55°	1495
60°	1540
65°	1515
70°	1582
75°	1581
80°	1591
85°	1614

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1651 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.0	5.9
10°-20°	66.5	3.3
20°-30°	64.7	3.2
30°-40°	83.0	4.2
40°-50°	108.8	5.5
50°-60°	136.7	6.8
60°-70°	162.8	8.2
70°-80°	181.4	9.1
80°-90°	187.1	9.4
90°-100°	187.1	9.4
100°-110°	181.4	9.1
110°-120°	161.8	8.1
120°-130°	132.8	6.7
130°-140°	101.4	5.1
140°-150°	68.3	3.4
150°-160°	37.5	1.9
160°-170°	15.1	0.8
170°-180°	1.8	0.1
0°-30°	248.2	12.4
0°-40°	331.2	16.6
0°-60°	576.7	28.9
0°-90°	1108.0	55.5
90°-120°	530.3	26.6
90°-150°	832.8	41.7
90°-180°	887.0	44.5
0°-180°	1995.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2760	
5°	1603	117
15°	214	67
25°	137	65
35°	129	83
45°	137	109
55°	154	137
65°	163	163
75°	172	181
85°	172	140
90°	172	94
95°	172	140
105°	172	181
115°	163	162
125°	146	133
135°	129	101
145°	111	68
155°	77	38
165°	51	15
175°	9	2
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2760.4
2.5°	3060.5
5°	1603.1
7.5°	677.2
10°	462.9
12.5°	291.5
15°	214.3
17.5°	180.0
20°	154.3
22.5°	145.7
25°	137.2
27.5°	137.2
30°	128.6
32.5°	128.6
35°	128.6
37.5°	137.2
40°	137.2
42.5°	137.2
45°	137.2
47.5°	145.7
50°	145.7
52.5°	145.7
55°	154.3
57.5°	154.3
60°	162.9
62.5°	162.9
65°	162.9
67.5°	162.9
70°	171.5
72.5°	171.5
75°	171.5
77.5°	171.5
80°	171.5
82.5°	171.5
85°	171.5
87.5°	171.5
90°	171.5
92.5°	171.5
95°	171.5
97.5°	171.5
100°	171.5
102.5°	171.5
105°	171.5
107.5°	171.5
110°	171.5

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	162.9
115°	162.9
117.5°	162.9
120°	154.3
122.5°	154.3
125°	145.7
127.5°	145.7
130°	137.2
132.5°	137.2
135°	128.6
137.5°	128.6
140°	120.0
142.5°	111.4
145°	111.4
147.5°	102.9
150°	94.3
152.5°	85.7
155°	77.2
157.5°	77.2
160°	68.6
162.5°	60.0
165°	51.4
167.5°	42.9
170°	34.3
172.5°	25.7
175°	8.6
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	8.8	9.9	9.7	10.8	12.0	8.8	9.9	9.7	10.8	12.0
	3H	11.9	12.9	12.8	13.8	15.0	11.9	12.9	12.8	13.8	15.0
	4H	13.4	14.3	14.3	15.2	16.5	13.4	14.3	14.3	15.2	16.5
	6H	14.8	15.7	15.8	16.6	17.9	14.8	15.7	15.8	16.6	17.9
	8H	15.5	16.3	16.4	17.3	18.5	15.5	16.3	16.4	17.3	18.5
	12H	16.2	17.0	17.1	17.9	19.2	16.2	17.0	17.1	17.9	19.2
4H	2H	9.6	10.5	10.6	11.5	12.7	9.6	10.5	10.6	11.5	12.7
	3H	12.9	13.7	13.8	14.7	15.9	12.9	13.7	13.8	14.7	15.9
	4H	14.5	15.3	15.5	16.2	17.5	14.5	15.3	15.5	16.2	17.5
	6H	16.1	16.8	17.1	17.8	19.0	16.1	16.8	17.1	17.8	19.0
	8H	16.9	17.5	17.8	18.5	19.8	16.9	17.5	17.8	18.5	19.8
	12H	17.7	18.2	18.6	19.2	20.5	17.7	18.2	18.6	19.2	20.5
8H	4H	15.1	15.7	16.0	16.6	17.9	15.1	15.7	16.0	16.6	17.9
	6H	16.8	17.4	17.8	18.4	19.7	16.8	17.4	17.8	18.4	19.7
	8H	17.8	18.2	18.7	19.2	20.5	17.8	18.2	18.7	19.2	20.5
	12H	18.7	19.1	19.7	20.1	21.4	18.7	19.1	19.7	20.1	21.4
12H	4H	15.2	15.7	16.1	16.7	18.0	15.2	15.7	16.1	16.7	18.0
	6H	17.0	17.5	18.0	18.5	19.8	17.0	17.5	18.0	18.5	19.8
	8H	18.0	18.5	19.0	19.5	20.8	18.0	18.5	19.0	19.5	20.8

(END OF REPORT)