

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: P1245052

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245052
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-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 6
Light Source: -
Ballast/Driver: -

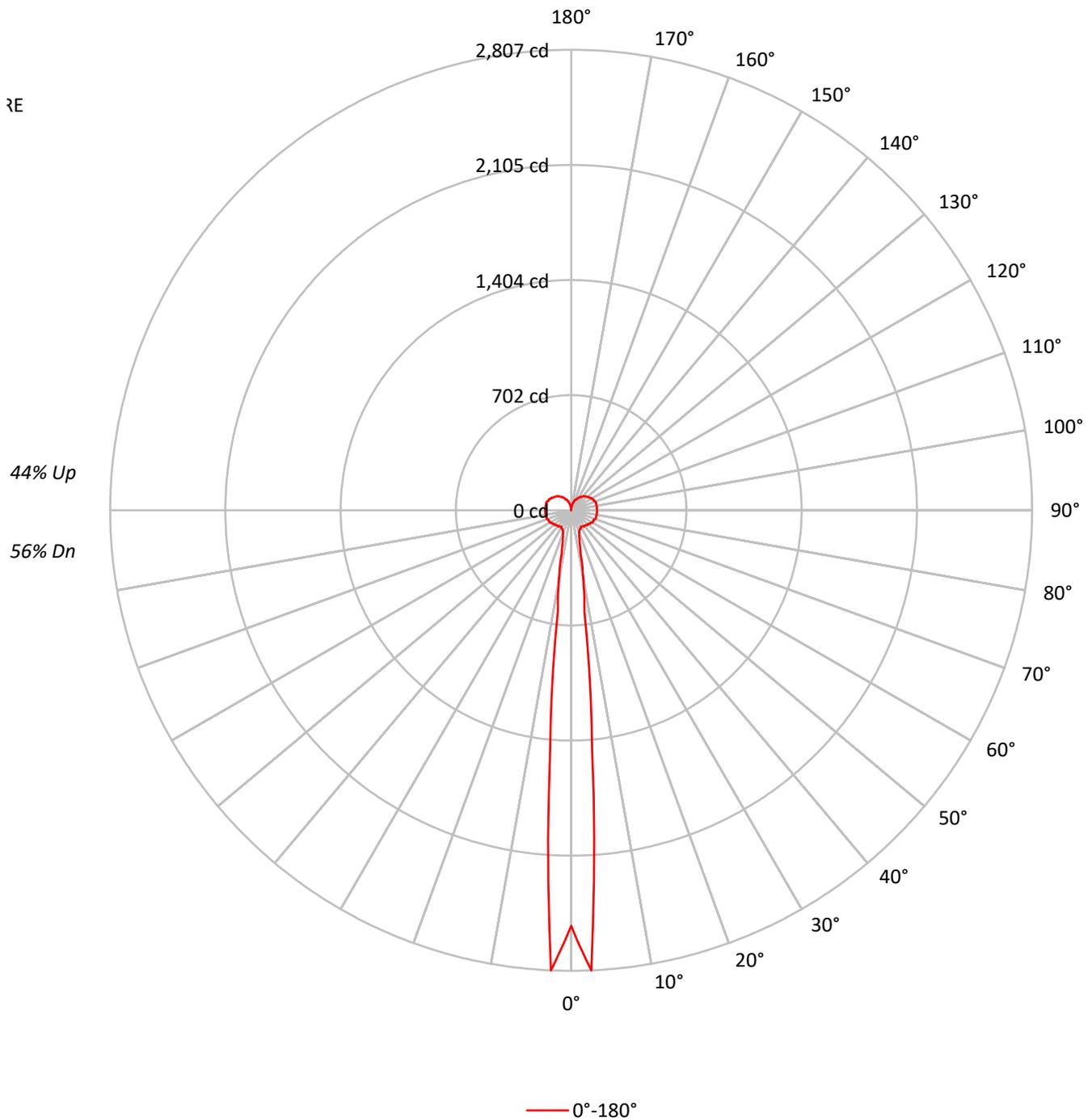
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1830.1 lumens
Efficiency: N/A
Efficacy: 37.7 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): 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°	80106
5°	36271
10°	8636
15°	3424
20°	2169
25°	1734
30°	1488
35°	1381
40°	1383
45°	1313
50°	1339
55°	1371
60°	1413
65°	1390
70°	1451
75°	1450
80°	1459
85°	1481

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1514 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.3	5.9
10°-20°	61.0	3.3
20°-30°	59.3	3.2
30°-40°	76.1	4.2
40°-50°	99.8	5.5
50°-60°	125.3	6.8
60°-70°	149.3	8.2
70°-80°	166.4	9.1
80°-90°	171.6	9.4
90°-100°	171.6	9.4
100°-110°	166.4	9.1
110°-120°	148.4	8.1
120°-130°	121.8	6.7
130°-140°	93.1	5.1
140°-150°	62.6	3.4
150°-160°	34.4	1.9
160°-170°	13.8	0.8
170°-180°	1.7	0.1
0°-30°	227.7	12.4
0°-40°	303.8	16.6
0°-60°	528.9	28.9
0°-90°	1016.3	55.5
90°-120°	486.4	26.6
90°-150°	763.9	41.7
90°-180°	814.0	44.5
0°-180°	1830.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2532	
5°	1470	107
15°	197	61
25°	126	59
35°	118	76
45°	126	100
55°	142	125
65°	149	149
75°	157	166
85°	157	129
90°	157	86
95°	157	129
105°	157	166
115°	149	148
125°	134	122
135°	118	93
145°	102	63
155°	71	34
165°	47	14
175°	8	2
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2532.1
2.5°	2807.3
5°	1470.5
7.5°	621.2
10°	424.6
12.5°	267.4
15°	196.6
17.5°	165.1
20°	141.5
22.5°	133.7
25°	125.8
27.5°	125.8
30°	118.0
32.5°	118.0
35°	118.0
37.5°	125.8
40°	125.8
42.5°	125.8
45°	125.8
47.5°	133.7
50°	133.7
52.5°	133.7
55°	141.5
57.5°	141.5
60°	149.4
62.5°	149.4
65°	149.4
67.5°	149.4
70°	157.3
72.5°	157.3
75°	157.3
77.5°	157.3
80°	157.3
82.5°	157.3
85°	157.3
87.5°	157.3
90°	157.3
92.5°	157.3
95°	157.3
97.5°	157.3
100°	157.3
102.5°	157.3
105°	157.3
107.5°	157.3
110°	157.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	149.4
115°	149.4
117.5°	149.4
120°	141.5
122.5°	141.5
125°	133.7
127.5°	133.7
130°	125.8
132.5°	125.8
135°	118.0
137.5°	118.0
140°	110.1
142.5°	102.2
145°	102.2
147.5°	94.4
150°	86.5
152.5°	78.6
155°	70.8
157.5°	70.8
160°	62.9
162.5°	55.0
165°	47.2
167.5°	39.3
170°	31.5
172.5°	23.6
175°	7.9
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	8.5	9.6	9.4	10.5	11.7	8.5	9.6	9.4	10.5	11.7
	3H	11.6	12.6	12.5	13.5	14.7	11.6	12.6	12.5	13.5	14.7
	4H	13.1	14.0	14.0	14.9	16.2	13.1	14.0	14.0	14.9	16.2
	6H	14.5	15.4	15.5	16.3	17.6	14.5	15.4	15.5	16.3	17.6
	8H	15.2	16.0	16.1	17.0	18.2	15.2	16.0	16.1	17.0	18.2
	12H	15.9	16.7	16.8	17.6	18.9	15.9	16.7	16.8	17.6	18.9
4H	2H	9.3	10.2	10.3	11.2	12.4	9.3	10.2	10.3	11.2	12.4
	3H	12.6	13.4	13.5	14.4	15.6	12.6	13.4	13.5	14.4	15.6
	4H	14.2	15.0	15.2	15.9	17.2	14.2	15.0	15.2	15.9	17.2
	6H	15.8	16.5	16.8	17.5	18.7	15.8	16.5	16.8	17.5	18.7
	8H	16.6	17.2	17.5	18.2	19.5	16.6	17.2	17.5	18.2	19.5
	12H	17.4	17.9	18.3	18.9	20.2	17.4	17.9	18.3	18.9	20.2
8H	4H	14.8	15.4	15.7	16.3	17.6	14.8	15.4	15.7	16.3	17.6
	6H	16.5	17.1	17.5	18.1	19.4	16.5	17.1	17.5	18.1	19.4
	8H	17.5	17.9	18.4	18.9	20.2	17.5	17.9	18.4	18.9	20.2
	12H	18.4	18.8	19.4	19.8	21.1	18.4	18.8	19.4	19.8	21.1
12H	4H	14.9	15.4	15.8	16.4	17.7	14.9	15.4	15.8	16.4	17.7
	6H	16.7	17.2	17.7	18.2	19.5	16.7	17.2	17.7	18.2	19.5
	8H	17.7	18.2	18.7	19.2	20.5	17.7	18.2	18.7	19.2	20.5

(END OF REPORT)