

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: P1245047

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245047
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-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

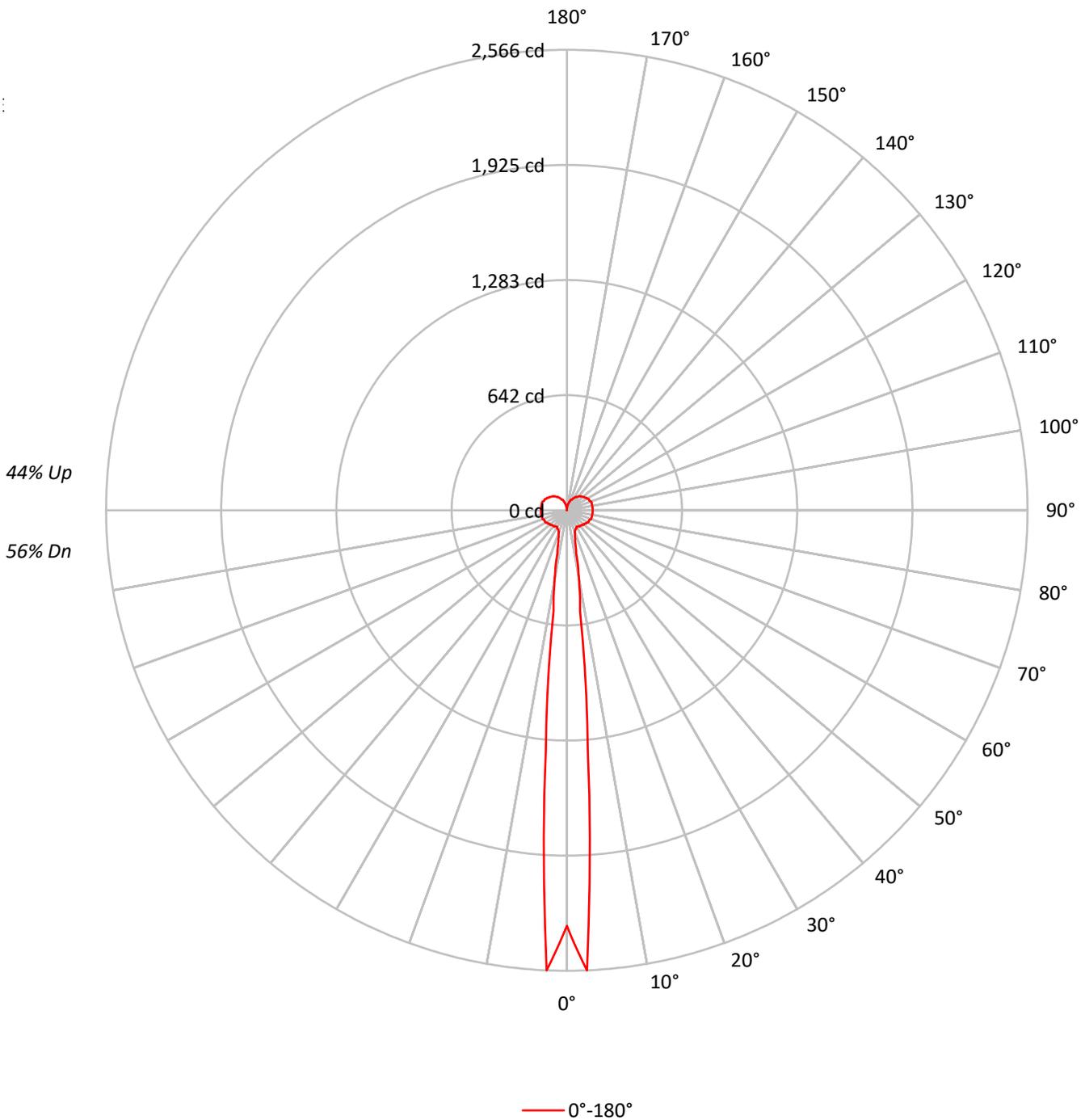
Lumens per Lamp: N/A
Luminaire Lumens: 1673.0 lumens
Efficiency: N/A
Efficacy: 43.1 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

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°	73235
5°	33161
10°	7896
15°	3130
20°	1984
25°	1585
30°	1359
35°	1261
40°	1264
45°	1200
50°	1223
55°	1254
60°	1292
65°	1271
70°	1326
75°	1325
80°	1334
85°	1354

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1384 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	5.9
10°-20°	55.8	3.3
20°-30°	54.2	3.2
30°-40°	69.5	4.2
40°-50°	91.3	5.5
50°-60°	114.6	6.8
60°-70°	136.5	8.2
70°-80°	152.1	9.1
80°-90°	156.9	9.4
90°-100°	156.9	9.4
100°-110°	152.1	9.1
110°-120°	135.6	8.1
120°-130°	111.4	6.7
130°-140°	85.0	5.1
140°-150°	57.3	3.4
150°-160°	31.5	1.9
160°-170°	12.6	0.8
170°-180°	1.5	0.1
0°-30°	208.1	12.4
0°-40°	277.7	16.6
0°-60°	483.5	28.9
0°-90°	929.1	55.5
90°-120°	444.7	26.6
90°-150°	698.3	41.7
90°-180°	744.0	44.5
0°-180°	1673.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2315	
5°	1344	98
15°	180	56
25°	115	54
35°	108	70
45°	115	91
55°	129	115
65°	137	137
75°	144	152
85°	144	117
90°	144	79
95°	144	117
105°	144	152
115°	137	136
125°	122	111
135°	108	85
145°	94	57
155°	65	31
165°	43	13
175°	7	2
180°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2314.9
2.5°	2566.5
5°	1344.4
7.5°	567.9
10°	388.2
12.5°	244.4
15°	179.7
17.5°	151.0
20°	129.4
22.5°	122.2
25°	115.0
27.5°	115.0
30°	107.8
32.5°	107.8
35°	107.8
37.5°	115.0
40°	115.0
42.5°	115.0
45°	115.0
47.5°	122.2
50°	122.2
52.5°	122.2
55°	129.4
57.5°	129.4
60°	136.6
62.5°	136.6
65°	136.6
67.5°	136.6
70°	143.8
72.5°	143.8
75°	143.8
77.5°	143.8
80°	143.8
82.5°	143.8
85°	143.8
87.5°	143.8
90°	143.8
92.5°	143.8
95°	143.8
97.5°	143.8
100°	143.8
102.5°	143.8
105°	143.8
107.5°	143.8
110°	143.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	136.6
115°	136.6
117.5°	136.6
120°	129.4
122.5°	129.4
125°	122.2
127.5°	122.2
130°	115.0
132.5°	115.0
135°	107.8
137.5°	107.8
140°	100.6
142.5°	93.5
145°	93.5
147.5°	86.3
150°	79.1
152.5°	71.9
155°	64.7
157.5°	64.7
160°	57.5
162.5°	50.3
165°	43.1
167.5°	35.9
170°	28.8
172.5°	21.6
175°	7.2
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	8.2	9.3	9.1	10.2	11.4	8.2	9.3	9.1	10.2	11.4
	3H	11.3	12.2	12.2	13.2	14.4	11.3	12.2	12.2	13.2	14.4
	4H	12.8	13.7	13.7	14.6	15.8	12.8	13.7	13.7	14.6	15.8
	6H	14.2	15.1	15.2	16.0	17.2	14.2	15.1	15.2	16.0	17.2
	8H	14.9	15.7	15.8	16.7	17.9	14.9	15.7	15.8	16.7	17.9
	12H	15.6	16.4	16.5	17.3	18.6	15.6	16.4	16.5	17.3	18.6
4H	2H	9.0	9.9	9.9	10.9	12.1	9.0	9.9	9.9	10.9	12.1
	3H	12.3	13.1	13.2	14.0	15.3	12.3	13.1	13.2	14.0	15.3
	4H	13.9	14.7	14.8	15.6	16.9	13.9	14.7	14.8	15.6	16.9
	6H	15.5	16.2	16.5	17.1	18.4	15.5	16.2	16.5	17.1	18.4
	8H	16.3	16.9	17.2	17.9	19.1	16.3	16.9	17.2	17.9	19.1
	12H	17.0	17.6	18.0	18.6	19.9	17.0	17.6	18.0	18.6	19.9
8H	4H	14.4	15.1	15.4	16.0	17.3	14.4	15.1	15.4	16.0	17.3
	6H	16.2	16.8	17.2	17.8	19.0	16.2	16.8	17.2	17.8	19.0
	8H	17.2	17.6	18.1	18.6	19.9	17.2	17.6	18.1	18.6	19.9
	12H	18.1	18.5	19.1	19.5	20.8	18.1	18.5	19.1	19.5	20.8
12H	4H	14.5	15.1	15.5	16.1	17.4	14.5	15.1	15.5	16.1	17.4
	6H	16.4	16.9	17.4	17.9	19.2	16.4	16.9	17.4	17.9	19.2
	8H	17.4	17.8	18.4	18.8	20.2	17.4	17.8	18.4	18.8	20.2

(END OF REPORT)