

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: P1245035

Luminaire Tested: PRLX-NIM-L-930-05L-U-LF

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245035
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-930-05L-U-LF
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, LAYERED FINE SHADE TEXTURE LIGHT LEVEL 2
Light Source: -
Ballast/Driver: -

Summary

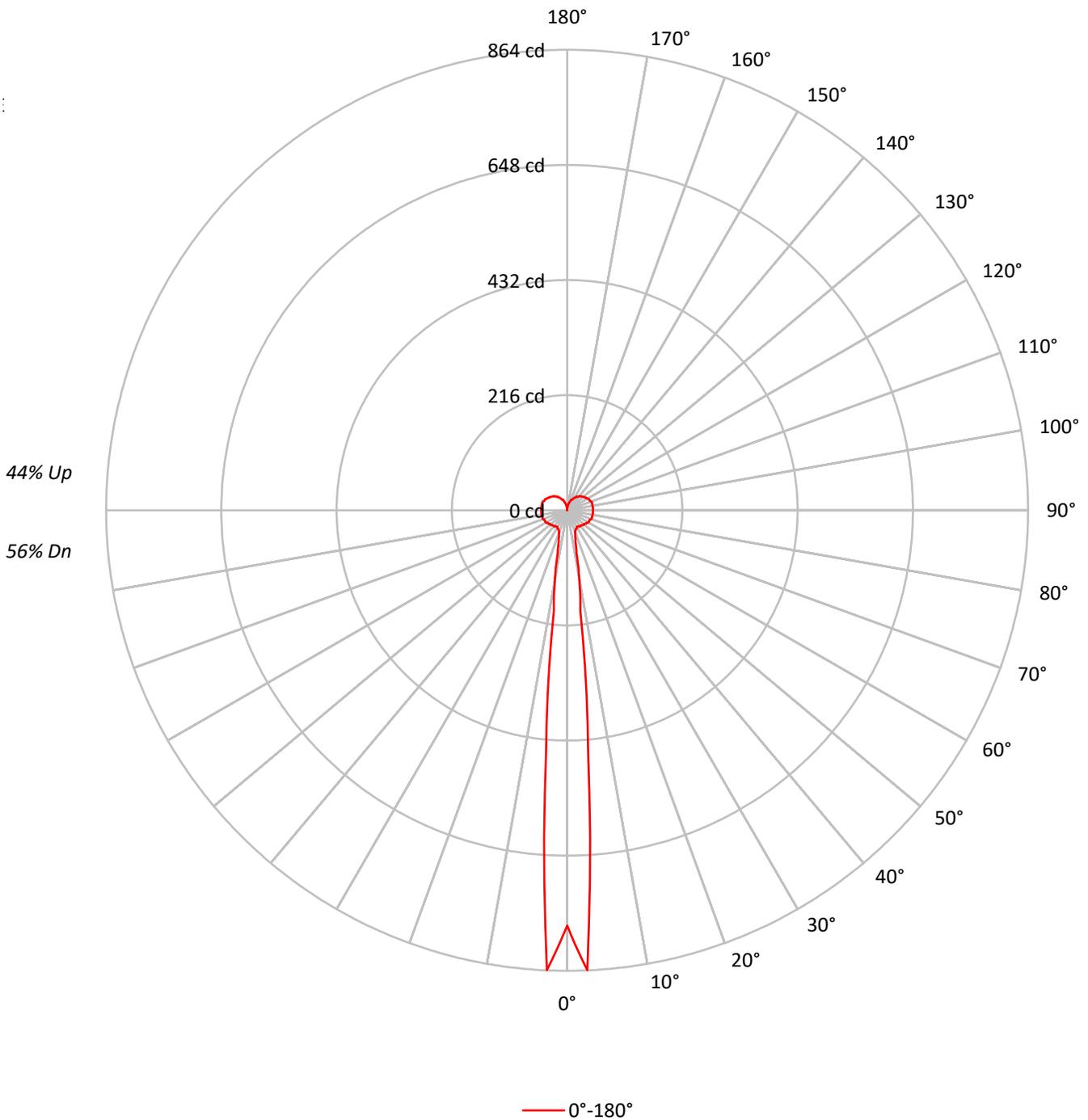
Lumens per Lamp: N/A
Luminaire Lumens: 563.1 lumens
Efficiency: N/A
Efficacy: 38.0 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 14.8
Input Voltage (V): NR
Input Current (A_{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

TEST NUMBER: P1245035

CATALOG NUMBER: PRLX-NIM-L-930-05L-U-LF

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°	24645
5°	11159
10°	2656
15°	1054
20°	667
25°	533
30°	458
35°	425
40°	425
45°	404
50°	411
55°	421
60°	435
65°	428
70°	446
75°	446
80°	449
85°	456

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 466 cd/sqm



TEST NUMBER: P1245035

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	5.9
10°-20°	18.8	3.3
20°-30°	18.2	3.2
30°-40°	23.4	4.2
40°-50°	30.7	5.5
50°-60°	38.5	6.8
60°-70°	46.0	8.2
70°-80°	51.2	9.1
80°-90°	52.8	9.4
90°-100°	52.8	9.4
100°-110°	51.2	9.1
110°-120°	45.7	8.1
120°-130°	37.5	6.7
130°-140°	28.6	5.1
140°-150°	19.3	3.4
150°-160°	10.6	1.9
160°-170°	4.3	0.8
170°-180°	0.5	0.1
0°-30°	70.0	12.4
0°-40°	93.4	16.6
0°-60°	162.7	28.9
0°-90°	312.7	55.5
90°-120°	149.7	26.6
90°-150°	235.0	41.7
90°-180°	250.0	44.4
0°-180°	563.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	779	
5°	452	33
15°	60	19
25°	39	18
35°	36	23
45°	39	31
55°	44	39
65°	46	46
75°	48	51
85°	48	40
90°	48	27
95°	48	40
105°	48	51
115°	46	46
125°	41	37
135°	36	29
145°	32	19
155°	22	11
165°	14	4
175°	2	1
180°	0	

TEST NUMBER: P1245035

CATALOG NUMBER: PRLX-NIM-L-930-05L-U-LF

CANDELA DISTRIBUTION (FULL):

0°	
0°	779.0
2.5°	863.7
5°	452.4
7.5°	191.1
10°	130.6
12.5°	82.3
15°	60.5
17.5°	50.8
20°	43.5
22.5°	41.1
25°	38.7
27.5°	38.7
30°	36.3
32.5°	36.3
35°	36.3
37.5°	38.7
40°	38.7
42.5°	38.7
45°	38.7
47.5°	41.1
50°	41.1
52.5°	41.1
55°	43.5
57.5°	43.5
60°	46.0
62.5°	46.0
65°	46.0
67.5°	46.0
70°	48.4
72.5°	48.4
75°	48.4
77.5°	48.4
80°	48.4
82.5°	48.4
85°	48.4
87.5°	48.4
90°	48.4
92.5°	48.4
95°	48.4
97.5°	48.4
100°	48.4
102.5°	48.4
105°	48.4
107.5°	48.4
110°	48.4

TEST NUMBER: P1245035

CATALOG NUMBER: PRLX-NIM-L-930-05L-U-LF

CANDELA DISTRIBUTION (continued):

	0°
112.5°	46.0
115°	46.0
117.5°	46.0
120°	43.5
122.5°	43.5
125°	41.1
127.5°	41.1
130°	38.7
132.5°	38.7
135°	36.3
137.5°	36.3
140°	33.9
142.5°	31.5
145°	31.5
147.5°	29.0
150°	26.6
152.5°	24.2
155°	21.8
157.5°	21.8
160°	19.4
162.5°	16.9
165°	14.5
167.5°	12.1
170°	9.7
172.5°	7.3
175°	2.4
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	4.4	5.5	5.3	6.4	7.6	4.4	5.5	5.3	6.4	7.6
	3H	7.5	8.5	8.4	9.4	10.6	7.5	8.5	8.4	9.4	10.6
	4H	9.0	9.9	9.9	10.9	12.1	9.0	9.9	9.9	10.9	12.1
	6H	10.4	11.3	11.4	12.2	13.5	10.4	11.3	11.4	12.2	13.5
	8H	11.1	11.9	12.1	12.9	14.1	11.1	11.9	12.1	12.9	14.1
	12H	11.8	12.6	12.7	13.5	14.8	11.8	12.6	12.7	13.5	14.8
4H	2H	5.2	6.1	6.2	7.1	8.3	5.2	6.1	6.2	7.1	8.3
	3H	8.5	9.3	9.4	10.3	11.5	8.5	9.3	9.4	10.3	11.5
	4H	10.1	10.9	11.1	11.8	13.1	10.1	10.9	11.1	11.8	13.1
	6H	11.7	12.4	12.7	13.4	14.6	11.7	12.4	12.7	13.4	14.6
	8H	12.5	13.1	13.4	14.1	15.4	12.5	13.1	13.4	14.1	15.4
	12H	13.3	13.8	14.2	14.8	16.1	13.3	13.8	14.2	14.8	16.1
8H	4H	10.7	11.3	11.6	12.3	13.5	10.7	11.3	11.6	12.3	13.5
	6H	12.4	13.0	13.4	14.0	15.3	12.4	13.0	13.4	14.0	15.3
	8H	13.4	13.9	14.3	14.9	16.1	13.4	13.9	14.3	14.9	16.1
	12H	14.3	14.7	15.3	15.7	17.1	14.3	14.7	15.3	15.7	17.1
12H	4H	10.8	11.3	11.7	12.3	13.6	10.8	11.3	11.7	12.3	13.6
	6H	12.6	13.1	13.6	14.1	15.4	12.6	13.1	13.6	14.1	15.4
	8H	13.6	14.1	14.6	15.1	16.4	13.6	14.1	14.6	15.1	16.4

(END OF REPORT)