

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: P1244867

Luminaire Tested: PRLX-MIN-L-940-16L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1244867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-MIN-L-940-16L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 5
Light Source: -
Ballast/Driver: -

Summary

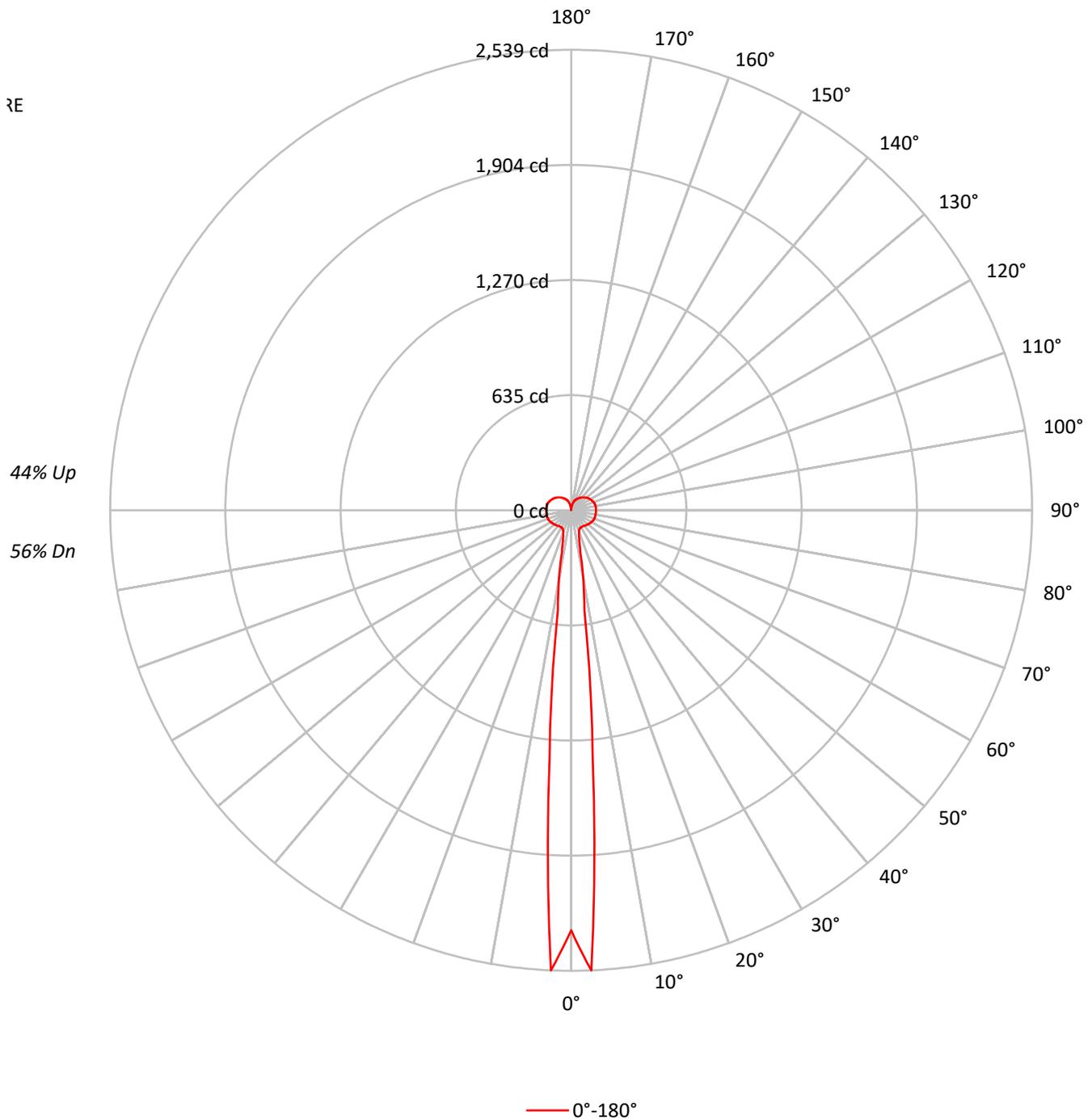
Lumens per Lamp: N/A
Luminaire Lumens: 1597.0 lumens
Efficiency: N/A
Efficacy: 41.2 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 38.8
Input Voltage (V): NR
Input Current (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	109	109	109	109	101	101	101	101	87	87	87		74	74	74		62	62	62	56
1	95	89	83	78	88	82	77	73	70	66	63		59	56	53		48	46	44	39
2	85	76	68	62	79	70	63	58	60	54	50		50	46	42		41	38	35	30
3	77	66	57	50	71	61	53	47	52	46	41		43	39	35		36	32	29	25
4	71	58	49	42	65	54	46	40	46	40	35		39	34	30		32	28	25	21
5	65	52	43	37	60	48	40	34	41	35	30		35	30	26		29	25	22	18
6	60	47	38	32	55	44	36	30	38	31	26		32	27	23		27	22	19	16
7	56	43	34	28	52	40	32	27	35	28	24		29	24	21		25	21	18	15
8	52	39	31	25	48	37	29	24	32	26	21		27	22	19		23	19	16	14
9	49	36	28	23	45	34	27	22	30	24	20		26	21	17		22	18	15	13
10	46	34	26	21	43	32	25	20	28	22	18		24	19	16		21	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73235
5°	33583
10°	7829
15°	2989
20°	1930
25°	1537
30°	1364
35°	1275
40°	1234
45°	1214
50°	1204
55°	1212
60°	1221
65°	1238
70°	1250
75°	1263
80°	1265
85°	1291

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 1320 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	6.1
10°-20°	53.8	3.4
20°-30°	52.4	3.3
30°-40°	68.7	4.3
40°-50°	90.2	5.6
50°-60°	112.2	7.0
60°-70°	132.0	8.3
70°-80°	144.3	9.0
80°-90°	149.3	9.3
90°-100°	149.5	9.4
100°-110°	142.1	8.9
110°-120°	125.7	7.9
120°-130°	103.5	6.5
130°-140°	78.1	4.9
140°-150°	52.8	3.3
150°-160°	30.9	1.9
160°-170°	12.7	0.8
170°-180°	1.2	0.1
0°-30°	203.8	12.8
0°-40°	272.5	17.1
0°-60°	474.9	29.7
0°-90°	900.4	56.4
90°-120°	417.3	26.1
90°-150°	651.7	40.8
90°-180°	697.0	43.6
0°-180°	1597.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2315	
5°	1362	98
15°	172	54
25°	112	52
35°	109	69
45°	116	90
55°	125	112
65°	133	132
75°	137	144
85°	137	112
90°	137	75
95°	137	112
105°	135	142
115°	127	126
125°	116	104
135°	101	78
145°	83	53
155°	67	31
165°	45	13
175°	6	1
180°	1	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2314.9
2.5°	2539.4
5°	1361.5
7.5°	554.1
10°	384.9
12.5°	235.7
15°	171.6
17.5°	142.7
20°	125.9
22.5°	117.1
25°	111.5
27.5°	109.0
30°	108.2
32.5°	108.2
35°	109.0
37.5°	109.8
40°	112.3
42.5°	113.9
45°	116.3
47.5°	118.7
50°	120.3
52.5°	122.7
55°	125.1
57.5°	127.5
60°	129.1
62.5°	131.5
65°	133.1
67.5°	134.7
70°	135.5
72.5°	136.3
75°	137.1
77.5°	136.3
80°	136.3
82.5°	136.3
85°	137.1
87.5°	137.1
90°	137.1
92.5°	137.1
95°	137.1
97.5°	137.1
100°	136.3
102.5°	135.5
105°	134.7
107.5°	133.1
110°	131.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	129.1
115°	126.7
117.5°	124.3
120°	121.1
122.5°	118.7
125°	115.5
127.5°	112.3
130°	108.2
132.5°	105.0
135°	101.0
137.5°	96.2
140°	92.2
142.5°	88.2
145°	83.4
147.5°	79.4
150°	75.4
152.5°	70.6
155°	66.6
157.5°	61.7
160°	56.9
162.5°	51.3
165°	44.9
167.5°	36.1
170°	24.9
172.5°	15.2
175°	6.4
177.5°	1.6
180°	0.8



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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	8.3	9.3	9.2	10.2	11.4	8.3	9.3	9.2	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	12.7	13.6	13.6	14.6	15.8	12.7	13.6	13.6	14.6	15.8
	6H	14.1	15.0	15.0	15.9	17.1	14.1	15.0	15.0	15.9	17.1
	8H	14.8	15.6	15.7	16.6	17.8	14.8	15.6	15.7	16.6	17.8
	12H	15.4	16.2	16.4	17.2	18.4	15.4	16.2	16.4	17.2	18.4
4H	2H	9.1	10.0	10.0	10.9	12.1	9.1	10.0	10.0	10.9	12.1
	3H	12.2	13.0	13.2	14.0	15.2	12.2	13.0	13.2	14.0	15.2
	4H	13.8	14.6	14.7	15.5	16.8	13.8	14.6	14.7	15.5	16.8
	6H	15.4	16.0	16.3	17.0	18.3	15.4	16.0	16.3	17.0	18.3
	8H	16.1	16.8	17.1	17.7	19.0	16.1	16.8	17.1	17.7	19.0
	12H	16.9	17.5	17.9	18.5	19.7	16.9	17.5	17.9	18.5	19.7
8H	4H	14.3	15.0	15.3	15.9	17.2	14.3	15.0	15.3	15.9	17.2
	6H	16.1	16.6	17.1	17.6	18.9	16.1	16.6	17.1	17.6	18.9
	8H	17.0	17.5	18.0	18.5	19.7	17.0	17.5	18.0	18.5	19.7
	12H	17.9	18.4	18.9	19.4	20.7	17.9	18.4	18.9	19.4	20.7
12H	4H	14.4	15.0	15.4	16.0	17.3	14.4	15.0	15.4	16.0	17.3
	6H	16.3	16.8	17.2	17.8	19.0	16.3	16.8	17.2	17.8	19.0
	8H	17.3	17.7	18.2	18.7	20.0	17.3	17.7	18.2	18.7	20.0

(END OF REPORT)