

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: P1245371

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

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245371
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-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: -

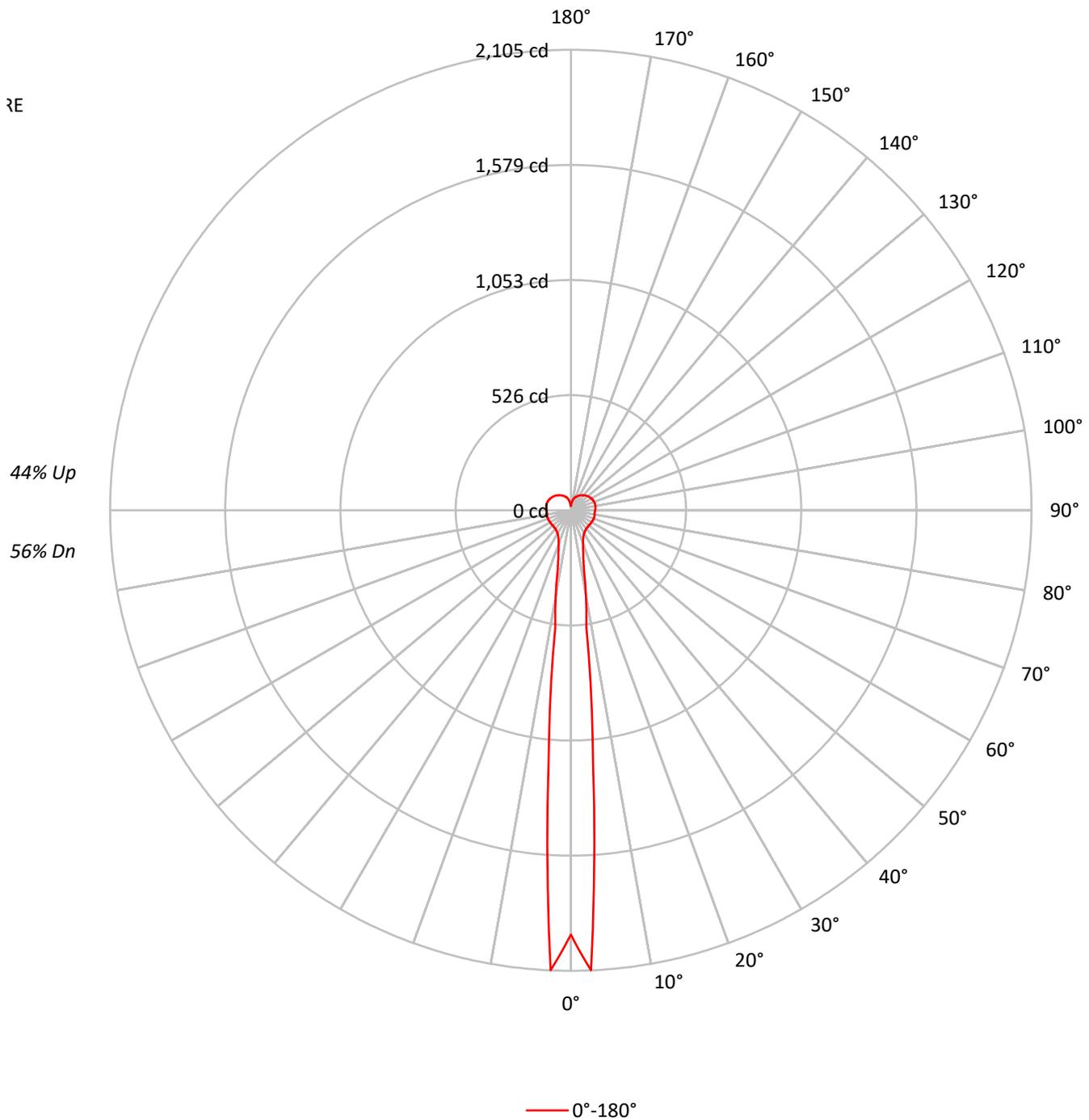
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1442.1 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
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

TEST NUMBER: P1245371
CATALOG NUMBER: PRLX-UNA-L-940-16L-U-NL

Luminous Intensity Polar Plot





TEST NUMBER: P1245371

CATALOG NUMBER: PRLX-UNA-L-940-16L-U-NL

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	96	90	85	80	88	83	79	75	71	68	64	60	57	55	49	47	46	40
2	86	77	70	63	80	72	65	59	61	56	51	51	47	44	42	39	37	32
3	79	68	59	52	72	63	55	49	54	48	43	45	40	37	37	34	31	27
4	72	60	51	44	66	56	48	42	48	41	37	40	35	31	33	30	27	23
5	66	54	45	38	61	50	42	36	43	37	32	36	31	28	30	27	23	20
6	61	48	40	34	57	45	37	32	39	33	28	33	28	25	28	24	21	18
7	57	44	36	30	53	41	34	28	36	30	25	31	26	22	26	22	19	17
8	53	41	33	27	49	38	31	26	33	27	23	29	24	20	24	21	18	15
9	50	37	30	25	46	35	28	23	31	25	21	27	22	19	23	19	16	14
10	47	35	27	22	44	33	26	21	29	23	19	25	21	17	22	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61356
5°	28756
10°	8083
15°	3799
20°	2502
25°	1858
30°	1529
35°	1336
40°	1206
45°	1132
50°	1078
55°	1050
60°	1031
65°	1026
70°	1024
75°	1028
80°	1018
85°	1033

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1132 cd/sqm



TEST NUMBER: P1245371

CATALOG NUMBER: PRLX-UNA-L-940-16L-U-NL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	6.0
10°-20°	64.8	4.5
20°-30°	63.2	4.4
30°-40°	71.9	5.0
40°-50°	84.0	5.8
50°-60°	97.4	6.8
60°-70°	109.5	7.6
70°-80°	117.6	8.2
80°-90°	120.0	8.3
90°-100°	123.1	8.5
100°-110°	120.5	8.4
110°-120°	110.1	7.6
120°-130°	93.8	6.5
130°-140°	74.0	5.1
140°-150°	52.9	3.7
150°-160°	33.3	2.3
160°-170°	16.2	1.1
170°-180°	3.3	0.2
0°-30°	214.4	14.9
0°-40°	286.3	19.9
0°-60°	467.7	32.4
0°-90°	814.7	56.5
90°-120°	353.7	24.5
90°-150°	574.5	39.8
90°-180°	627.0	43.5
0°-180°	1442.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1939	
5°	1166	86
15°	218	65
25°	135	63
35°	114	72
45°	108	84
55°	108	97
65°	110	109
75°	112	118
85°	110	90
90°	111	61
95°	113	93
105°	114	120
115°	111	110
125°	104	94
135°	96	74
145°	84	53
155°	72	33
165°	57	16
175°	30	3
180°	19	

TEST NUMBER: P1245371

CATALOG NUMBER: PRLX-UNA-L-940-16L-U-NL

CANDELA DISTRIBUTION (FULL):

0°	
0°	1939.4
2.5°	2104.6
5°	1165.8
7.5°	540.7
10°	397.4
12.5°	273.6
15°	218.1
17.5°	185.8
20°	163.2
22.5°	146.5
25°	134.8
27.5°	127.1
30°	121.3
32.5°	117.4
35°	114.2
37.5°	111.6
40°	109.7
42.5°	109.0
45°	108.4
47.5°	107.7
50°	107.7
52.5°	108.4
55°	108.4
57.5°	109.0
60°	109.0
62.5°	109.7
65°	110.3
67.5°	111.0
70°	111.0
72.5°	111.6
75°	111.6
77.5°	111.0
80°	109.7
82.5°	109.7
85°	109.7
87.5°	110.3
90°	111.0
92.5°	112.3
95°	112.9
97.5°	113.6
100°	114.2
102.5°	114.2
105°	114.2
107.5°	113.6
110°	112.9

TEST NUMBER: P1245371

CATALOG NUMBER: PRLX-UNA-L-940-16L-U-NL

CANDELA DISTRIBUTION (continued):

	0°
112.5°	112.3
115°	111.0
117.5°	109.7
120°	108.4
122.5°	106.5
125°	104.5
127.5°	102.6
130°	100.6
132.5°	98.1
135°	95.5
137.5°	92.9
140°	89.7
142.5°	87.1
145°	83.9
147.5°	81.3
150°	78.1
152.5°	74.8
155°	71.6
157.5°	68.4
160°	64.5
162.5°	61.3
165°	56.8
167.5°	51.6
170°	45.2
172.5°	38.1
175°	29.7
177.5°	21.9
180°	19.4



TEST NUMBER: P1245371

CATALOG NUMBER: PRLX-UNA-L-940-16L-U-NL

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	7.6	8.6	8.5	9.5	10.7	7.6	8.6	8.5	9.5	10.7
	3H	10.4	11.4	11.3	12.3	13.5	10.4	11.4	11.3	12.3	13.5
	4H	11.8	12.7	12.7	13.6	14.8	11.8	12.7	12.7	13.6	14.8
	6H	13.2	14.0	14.1	14.9	16.1	13.2	14.0	14.1	14.9	16.1
	8H	13.8	14.6	14.7	15.5	16.7	13.8	14.6	14.7	15.5	16.7
	12H	14.4	15.2	15.3	16.1	17.4	14.4	15.2	15.3	16.1	17.4
4H	2H	8.3	9.2	9.2	10.1	11.3	8.3	9.2	9.2	10.1	11.3
	3H	11.3	12.1	12.3	13.1	14.3	11.3	12.1	12.3	13.1	14.3
	4H	12.9	13.6	13.8	14.5	15.8	12.9	13.6	13.8	14.5	15.8
	6H	14.4	15.0	15.3	16.0	17.2	14.4	15.0	15.3	16.0	17.2
	8H	15.1	15.7	16.1	16.7	17.9	15.1	15.7	16.1	16.7	17.9
	12H	15.9	16.4	16.8	17.4	18.6	15.9	16.4	16.8	17.4	18.6
8H	4H	13.4	14.0	14.3	14.9	16.2	13.4	14.0	14.3	14.9	16.2
	6H	15.1	15.6	16.0	16.6	17.8	15.1	15.6	16.0	16.6	17.8
	8H	16.0	16.4	16.9	17.4	18.7	16.0	16.4	16.9	17.4	18.7
	12H	16.9	17.3	17.8	18.3	19.6	16.9	17.3	17.8	18.3	19.6
12H	4H	13.5	14.0	14.4	15.0	16.3	13.5	14.0	14.4	15.0	16.3
	6H	15.3	15.7	16.2	16.7	18.0	15.3	15.7	16.2	16.7	18.0
	8H	16.2	16.6	17.2	17.6	18.9	16.2	16.6	17.2	17.6	18.9

(END OF REPORT)