

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: P1245117

Luminaire Tested: PRLX-NIM-L-940-20L-U-NR

Issue Date: 1/30/2026

**Test Information**

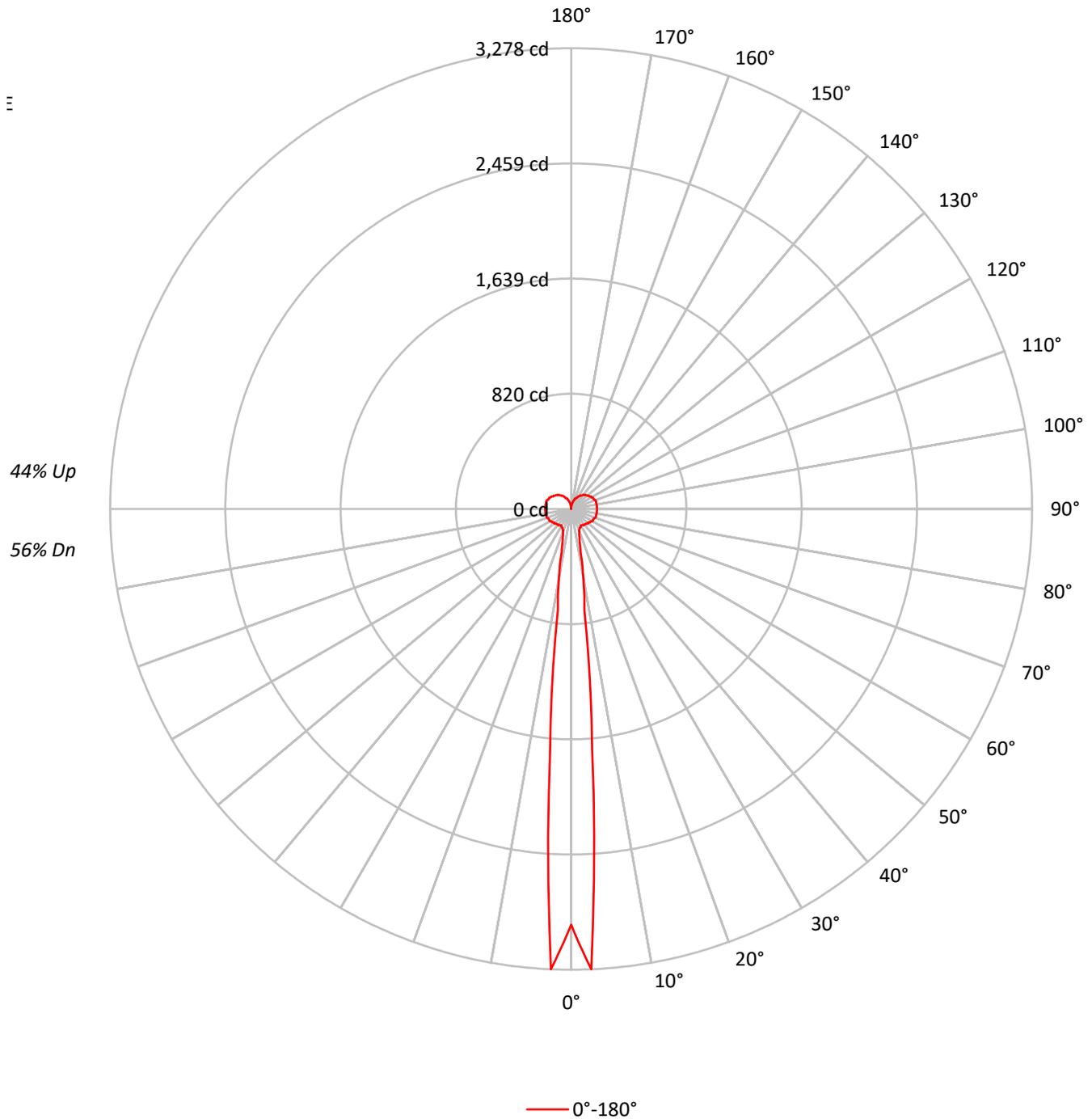
Test Method: LM-79-2019  
Report Number: P1245117  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-NIM-L-940-20L-U-NR  
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL RIBS SHADE TEXTURE  
LIGHT LEVEL 6  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2137.2 lumens  
Efficiency: N/A  
Efficacy: 44.0 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): 48.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P1245117  
CATALOG NUMBER: PRLX-NIM-L-940-20L-U-NR

### Luminous Intensity Polar Plot





TEST NUMBER: P1245117

CATALOG NUMBER: PRLX-NIM-L-940-20L-U-NR

**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°	93546
5°	42357
10°	10086
15°	3999
20°	2534
25°	2025
30°	1736
35°	1611
40°	1615
45°	1533
50°	1563
55°	1602
60°	1650
65°	1623
70°	1694
75°	1693
80°	1704
85°	1729

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 1769 cd/sqm



TEST NUMBER: P1245117

CATALOG NUMBER: PRLX-NIM-L-940-20L-U-NR

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.3	5.9
10°-20°	71.2	3.3
20°-30°	69.3	3.2
30°-40°	88.8	4.2
40°-50°	116.6	5.5
50°-60°	146.4	6.9
60°-70°	174.4	8.2
70°-80°	194.3	9.1
80°-90°	200.4	9.4
90°-100°	200.4	9.4
100°-110°	194.3	9.1
110°-120°	173.3	8.1
120°-130°	142.3	6.7
130°-140°	108.6	5.1
140°-150°	73.1	3.4
150°-160°	40.2	1.9
160°-170°	16.2	0.8
170°-180°	2.0	0.1
0°-30°	265.9	12.4
0°-40°	354.7	16.6
0°-60°	617.6	28.9
0°-90°	1186.8	55.5
90°-120°	568.0	26.6
90°-150°	892.1	41.7
90°-180°	950.0	44.5
0°-180°	2137.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2957	
5°	1717	125
15°	230	71
25°	147	69
35°	138	89
45°	147	117
55°	165	146
65°	174	174
75°	184	194
85°	184	150
90°	184	101
95°	184	150
105°	184	194
115°	174	173
125°	156	142
135°	138	109
145°	119	73
155°	83	40
165°	55	16
175°	9	2
180°	0	

TEST NUMBER: P1245117

CATALOG NUMBER: PRLX-NIM-L-940-20L-U-NR

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2956.9
2.5°	3278.3
5°	1717.2
7.5°	725.5
10°	495.9
12.5°	312.2
15°	229.6
17.5°	192.8
20°	165.3
22.5°	156.1
25°	146.9
27.5°	146.9
30°	137.7
32.5°	137.7
35°	137.7
37.5°	146.9
40°	146.9
42.5°	146.9
45°	146.9
47.5°	156.1
50°	156.1
52.5°	156.1
55°	165.3
57.5°	165.3
60°	174.5
62.5°	174.5
65°	174.5
67.5°	174.5
70°	183.7
72.5°	183.7
75°	183.7
77.5°	183.7
80°	183.7
82.5°	183.7
85°	183.7
87.5°	183.7
90°	183.7
92.5°	183.7
95°	183.7
97.5°	183.7
100°	183.7
102.5°	183.7
105°	183.7
107.5°	183.7
110°	183.7

TEST NUMBER: P1245117

CATALOG NUMBER: PRLX-NIM-L-940-20L-U-NR

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	174.5
115°	174.5
117.5°	174.5
120°	165.3
122.5°	165.3
125°	156.1
127.5°	156.1
130°	146.9
132.5°	146.9
135°	137.7
137.5°	137.7
140°	128.6
142.5°	119.4
145°	119.4
147.5°	110.2
150°	101.0
152.5°	91.8
155°	82.6
157.5°	82.6
160°	73.5
162.5°	64.3
165°	55.1
167.5°	45.9
170°	36.7
172.5°	27.5
175°	9.2
177.5°	0.0
180°	0.0



TEST NUMBER: P1245117

CATALOG NUMBER: PRLX-NIM-L-940-20L-U-NR

**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	9.1	10.1	10.0	11.0	12.2	9.1	10.1	10.0	11.0	12.2
	3H	12.2	13.1	13.0	14.0	15.2	12.2	13.1	13.0	14.0	15.2
	4H	13.6	14.5	14.5	15.5	16.7	13.6	14.5	14.5	15.5	16.7
	6H	15.1	15.9	16.0	16.9	18.1	15.1	15.9	16.0	16.9	18.1
	8H	15.8	16.6	16.7	17.5	18.8	15.8	16.6	16.7	17.5	18.8
	12H	16.4	17.2	17.4	18.2	19.4	16.4	17.2	17.4	18.2	19.4
4H	2H	9.9	10.8	10.8	11.7	12.9	9.9	10.8	10.8	11.7	12.9
	3H	13.1	13.9	14.1	14.9	16.1	13.1	13.9	14.1	14.9	16.1
	4H	14.8	15.5	15.7	16.5	17.7	14.8	15.5	15.7	16.5	17.7
	6H	16.4	17.0	17.3	18.0	19.2	16.4	17.0	17.3	18.0	19.2
	8H	17.1	17.8	18.1	18.7	20.0	17.1	17.8	18.1	18.7	20.0
	12H	17.9	18.5	18.9	19.5	20.7	17.9	18.5	18.9	19.5	20.7
8H	4H	15.3	15.9	16.2	16.9	18.2	15.3	15.9	16.2	16.9	18.2
	6H	17.1	17.6	18.1	18.6	19.9	17.1	17.6	18.1	18.6	19.9
	8H	18.0	18.5	19.0	19.5	20.8	18.0	18.5	19.0	19.5	20.8
	12H	18.9	19.4	19.9	20.4	21.7	18.9	19.4	19.9	20.4	21.7
12H	4H	15.4	16.0	16.4	17.0	18.2	15.4	16.0	16.4	17.0	18.2
	6H	17.3	17.8	18.2	18.7	20.0	17.3	17.8	18.2	18.7	20.0
	8H	18.3	18.7	19.2	19.7	21.0	18.3	18.7	19.2	19.7	21.0

(END OF REPORT)