

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1505216

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505216
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-112)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

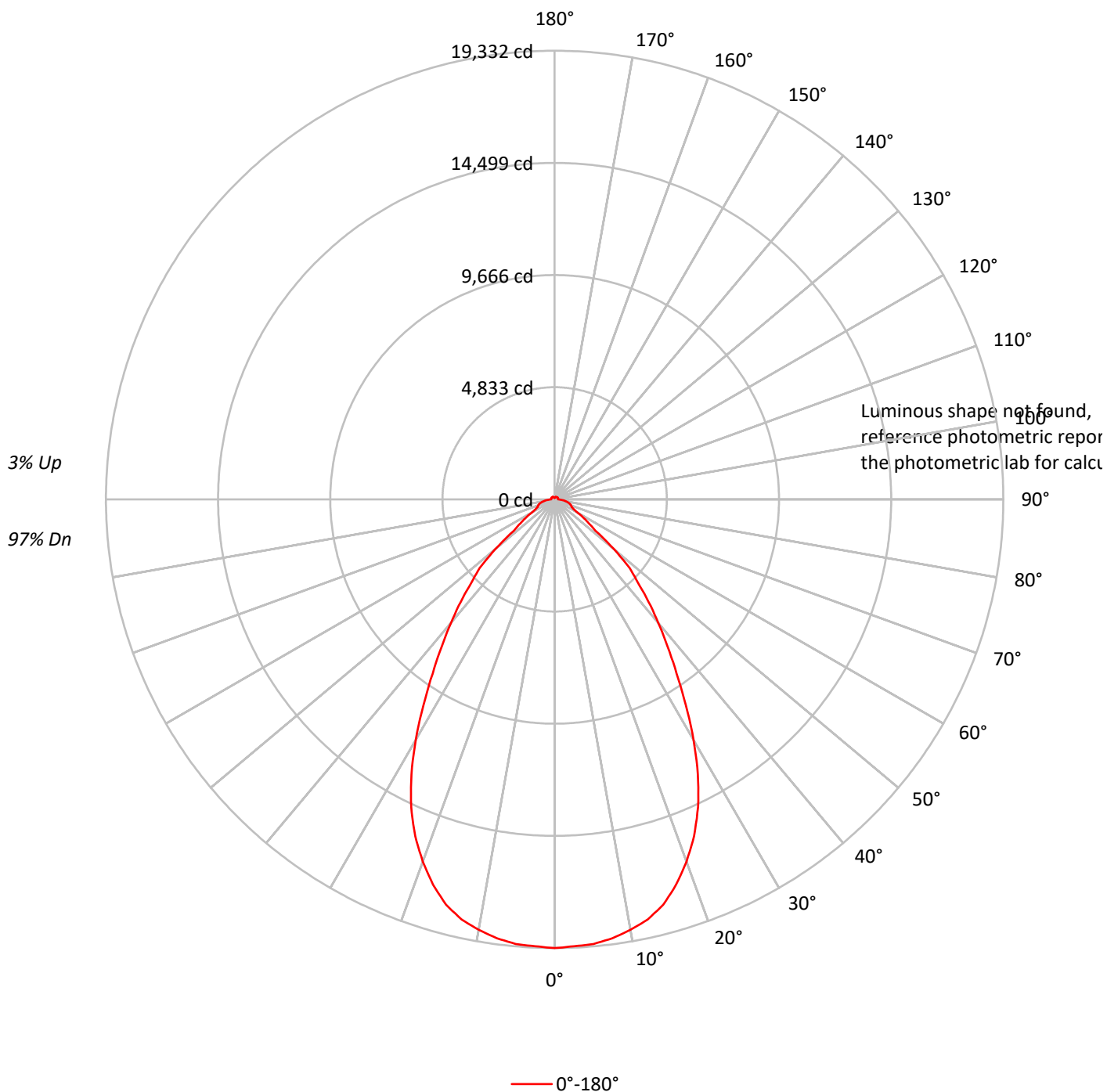
Lumens per Lamp: N/A
Luminaire Lumens: 27721.6 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 196.6
Input Voltage (V): 120
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: 24 FT

TEST NUMBER: P1505216

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L32_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505216

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L32_Narrow_120V)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	97	95	95	94	92	91	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	84	82	84	82	79	77		
3	97	88	82	77	94	87	81	76	84	79	75	81	76	73	78	74	71	69		
4	90	81	74	69	88	79	73	68	77	71	67	74	70	66	72	68	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	62	59	57		
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52		
7	75	63	56	51	73	63	56	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	51	47	57	51	46	55	50	46	54	49	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	46	42	51	46	42	41		
10	63	51	45	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505216

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L32_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1822.5	6.6
10°-20°	5052.0	18.2
20°-30°	6645.2	24.0
30°-40°	5767.7	20.8
40°-50°	3947.9	14.2
50°-60°	1713.2	6.2
60°-70°	863.8	3.1
70°-80°	677.6	2.4
80°-90°	355.4	1.3
90°-100°	163.7	0.6
100°-110°	160.8	0.6
110°-120°	148.8	0.5
120°-130°	128.9	0.5
130°-140°	105.8	0.4
140°-150°	83.3	0.3
150°-160°	54.0	0.2
160°-170°	24.7	0.1
170°-180°	6.4	0.0
0°-30°	13519.8	48.8
0°-40°	19287.4	69.6
0°-60°	24948.6	90.0
0°-90°	26845.3	96.8
90°-120°	473.3	1.7
90°-150°	791.2	2.9
90°-180°	876.0	3.2
0°-180°	27721.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19332	
5°	19230	###
15°	18078	5052
25°	14621	6645
35°	9163	5768
45°	5060	3948
55°	1800	1713
65°	829	864
75°	651	678
85°	327	302
90°	150	94
95°	150	123
105°	152	161
115°	150	149
125°	144	129
135°	136	106
145°	133	83
155°	116	54
165°	85	25
175°	64	6
180°	62	

TEST NUMBER: P1505216

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L32_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	19332
2.5°	19272
5°	19230
7.5°	19073
10°	18834
12.5°	18536
15°	18078
17.5°	17410
20°	16606
22.5°	15698
25°	14621
27.5°	13361
30°	11975
32.5°	10510
35°	9163
37.5°	7985
40°	6945
42.5°	5989
45°	5060
47.5°	4386
50°	3343
52.5°	2214
55°	1800
57.5°	1456
60°	1142
62.5°	935
65°	829
67.5°	780
70°	750
72.5°	708
75°	651
77.5°	581
80°	501
82.5°	416
85°	327
87.5°	236
90°	150
92.5°	148
95°	150
97.5°	151
100°	152
102.5°	152
105°	152
107.5°	152
110°	152

TEST NUMBER: P1505216

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L32_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	151
115°	150
117.5°	149
120°	147
122.5°	145
125°	144
127.5°	142
130°	140
132.5°	138
135°	136
137.5°	135
140°	134
142.5°	133
145°	133
147.5°	132
150°	130
152.5°	123
155°	116
157.5°	109
160°	101
162.5°	93
165°	85
167.5°	78
170°	73
172.5°	67
175°	64
177.5°	62
180°	62

(END OF REPORT)