

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: P1505565

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505565
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-126)
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-B-06-TRWH-PS (3000K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

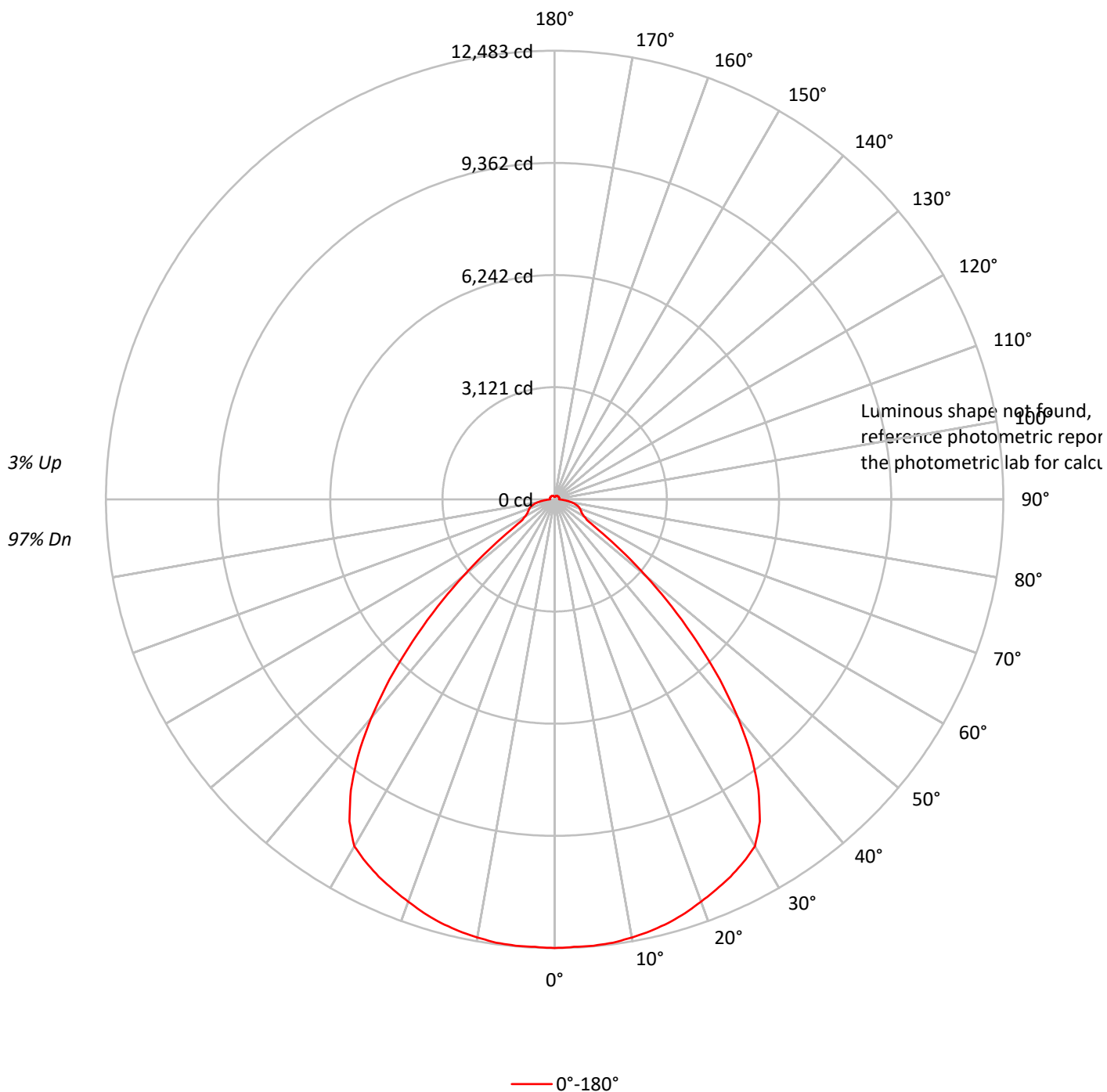
Lumens per Lamp: N/A
Luminaire Lumens: 24487.2 lumens
Efficiency: N/A
Efficacy: 153.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 159.4
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

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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				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	99	99			
1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	88	88	88	88	86			
2	103	96	91	86	100	94	89	85	90	86	82	86	83	80	83	80	78	78	78	78	78	76			
3	95	87	80	75	93	85	79	74	82	77	73	79	75	71	76	72	69	69	69	69	69	67			
4	89	79	72	66	86	77	71	66	75	69	64	72	67	63	70	66	62	62	62	62	62	60			
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56	56	56	56	56	54			
6	77	66	58	53	75	65	58	52	63	57	52	61	55	51	59	54	51	51	51	51	51	49			
7	72	61	53	48	70	60	52	47	58	52	47	56	51	46	55	50	46	46	46	46	46	44			
8	68	56	48	43	66	55	48	43	54	47	43	52	46	42	51	46	42	42	42	42	42	40			
9	64	52	44	39	62	51	44	39	50	43	39	48	43	39	47	42	38	38	38	38	38	37			
10	60	48	41	36	58	47	41	36	46	40	36	45	39	36	44	39	35	35	35	35	35	34			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1187.1	4.8
10°-20°	3445.8	14.1
20°-30°	5340.0	21.8
30°-40°	6090.7	24.9
40°-50°	4290.8	17.5
50°-60°	1545.8	6.3
60°-70°	819.8	3.3
70°-80°	669.8	2.7
80°-90°	322.1	1.3
90°-100°	139.1	0.6
100°-110°	138.7	0.6
110°-120°	130.6	0.5
120°-130°	115.2	0.5
130°-140°	95.7	0.4
140°-150°	74.3	0.3
150°-160°	49.8	0.2
160°-170°	24.8	0.1
170°-180°	7.0	0.0
0°-30°	9972.9	40.7
0°-40°	16063.6	65.6
0°-60°	21900.2	89.4
0°-90°	23712.0	96.8
90°-120°	408.4	1.7
90°-150°	693.6	2.8
90°-180°	775.0	3.2
0°-180°	24487.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12483	
5°	12465	###
15°	12203	3446
25°	11581	5340
35°	9880	6091
45°	5580	4291
55°	1474	1546
65°	817	820
75°	645	670
85°	290	277
90°	130	80
95°	127	104
105°	131	139
115°	132	131
125°	129	115
135°	124	96
145°	118	74
155°	107	50
165°	86	25
175°	72	7
180°	72	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12483.1
2.5°	12462.5
5°	12465.0
7.5°	12440.2
10°	12375.9
12.5°	12302.4
15°	12203.4
17.5°	12069.8
20°	11909.7
22.5°	11748.9
25°	11580.6
27.5°	11379.3
30°	11144.1
32.5°	10625.2
35°	9880.2
37.5°	8985.1
40°	7942.3
42.5°	6800.5
45°	5580.3
47.5°	4416.2
50°	3300.0
52.5°	2324.0
55°	1474.3
57.5°	1064.3
60°	944.6
62.5°	863.0
65°	816.8
67.5°	782.1
70°	748.3
72.5°	704.6
75°	645.2
77.5°	571.7
80°	481.8
82.5°	385.3
85°	290.4
87.5°	201.3
90°	129.5
92.5°	124.6
95°	127.1
97.5°	128.7
100°	129.5
102.5°	130.4
105°	131.2
107.5°	132.0
110°	132.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	132.0
115°	132.0
117.5°	131.2
120°	130.4
122.5°	129.5
125°	128.7
127.5°	127.1
130°	126.2
132.5°	124.6
135°	123.8
137.5°	122.1
140°	120.5
142.5°	119.6
145°	118.0
147.5°	117.2
150°	115.5
152.5°	112.2
155°	107.3
157.5°	102.3
160°	97.4
162.5°	92.4
165°	85.8
167.5°	80.9
170°	75.9
172.5°	72.6
175°	71.8
177.5°	71.8
180°	71.8

(END OF REPORT)