

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: P1505592

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505592
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 (5000K_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

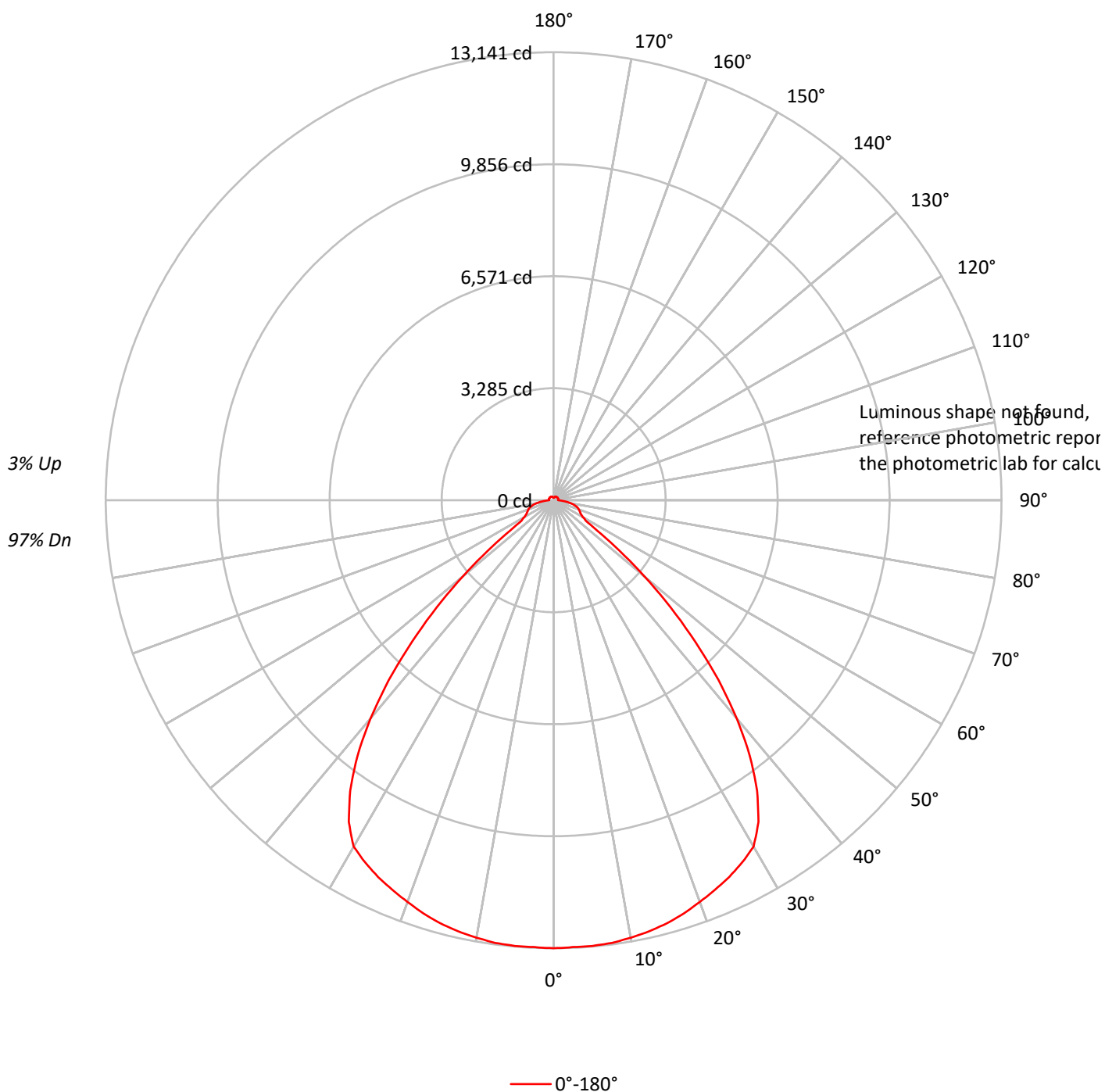
Lumens per Lamp: N/A
Luminaire Lumens: 25778.0 lumens
Efficiency: N/A
Efficacy: 164.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 156.4
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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	86		
2	103	96	91	86	100	94	89	85	90	86	82	86	83	80	83	80	78	76		
3	95	87	80	75	93	85	79	74	82	77	73	79	75	71	76	72	69	67		
4	89	79	72	66	86	77	71	66	75	69	64	72	67	63	70	66	62	60		
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56	54		
6	77	66	58	53	75	65	58	52	63	57	52	61	55	51	59	54	51	49		
7	72	61	53	48	70	60	52	47	58	52	47	56	51	46	55	50	46	44		
8	68	56	48	43	66	55	48	43	54	47	43	52	46	42	51	46	42	40		
9	64	52	44	39	62	51	44	39	50	43	39	48	43	39	47	42	38	37		
10	60	48	41	36	58	47	41	36	46	40	36	45	39	36	44	39	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°	1249.7	4.8
10°-20°	3627.5	14.1
20°-30°	5621.5	21.8
30°-40°	6411.8	24.9
40°-50°	4517.0	17.5
50°-60°	1627.3	6.3
60°-70°	863.0	3.3
70°-80°	705.1	2.7
80°-90°	339.1	1.3
90°-100°	146.4	0.6
100°-110°	146.0	0.6
110°-120°	137.5	0.5
120°-130°	121.3	0.5
130°-140°	100.7	0.4
140°-150°	78.2	0.3
150°-160°	52.4	0.2
160°-170°	26.1	0.1
170°-180°	7.3	0.0
0°-30°	10498.7	40.7
0°-40°	16910.5	65.6
0°-60°	23054.8	89.4
0°-90°	24962.0	96.8
90°-120°	429.9	1.7
90°-150°	730.1	2.8
90°-180°	816.0	3.2
0°-180°	25778.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13141	
5°	13122	###
15°	12847	3627
25°	12191	5622
35°	10401	6412
45°	5874	4517
55°	1552	1627
65°	860	863
75°	679	705
85°	306	291
90°	136	84
95°	134	110
105°	138	146
115°	139	138
125°	136	121
135°	130	101
145°	124	78
155°	113	52
165°	90	26
175°	76	7
180°	76	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13141.2
2.5°	13119.5
5°	13122.1
7.5°	13096.0
10°	13028.3
12.5°	12951.0
15°	12846.8
17.5°	12706.1
20°	12537.6
22.5°	12368.2
25°	12191.1
27.5°	11979.2
30°	11731.6
32.5°	11185.4
35°	10401.1
37.5°	9458.8
40°	8361.0
42.5°	7159.0
45°	5874.5
47.5°	4649.1
50°	3474.0
52.5°	2446.6
55°	1552.0
57.5°	1120.4
60°	994.4
62.5°	908.4
65°	859.8
67.5°	823.3
70°	787.7
72.5°	741.7
75°	679.2
77.5°	601.9
80°	507.2
82.5°	405.6
85°	305.7
87.5°	211.9
90°	136.4
92.5°	131.1
95°	133.7
97.5°	135.5
100°	136.4
102.5°	137.2
105°	138.1
107.5°	139.0
110°	139.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	139.0
115°	139.0
117.5°	138.1
120°	137.2
122.5°	136.4
125°	135.5
127.5°	133.7
130°	132.9
132.5°	131.1
135°	130.3
137.5°	128.5
140°	126.8
142.5°	125.9
145°	124.2
147.5°	123.3
150°	121.6
152.5°	118.1
155°	112.9
157.5°	107.7
160°	102.5
162.5°	97.3
165°	90.3
167.5°	85.1
170°	79.9
172.5°	76.4
175°	75.6
177.5°	75.6
180°	75.6

(END OF REPORT)