

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: P1505581

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (4000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505581
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-125)
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 (4000K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

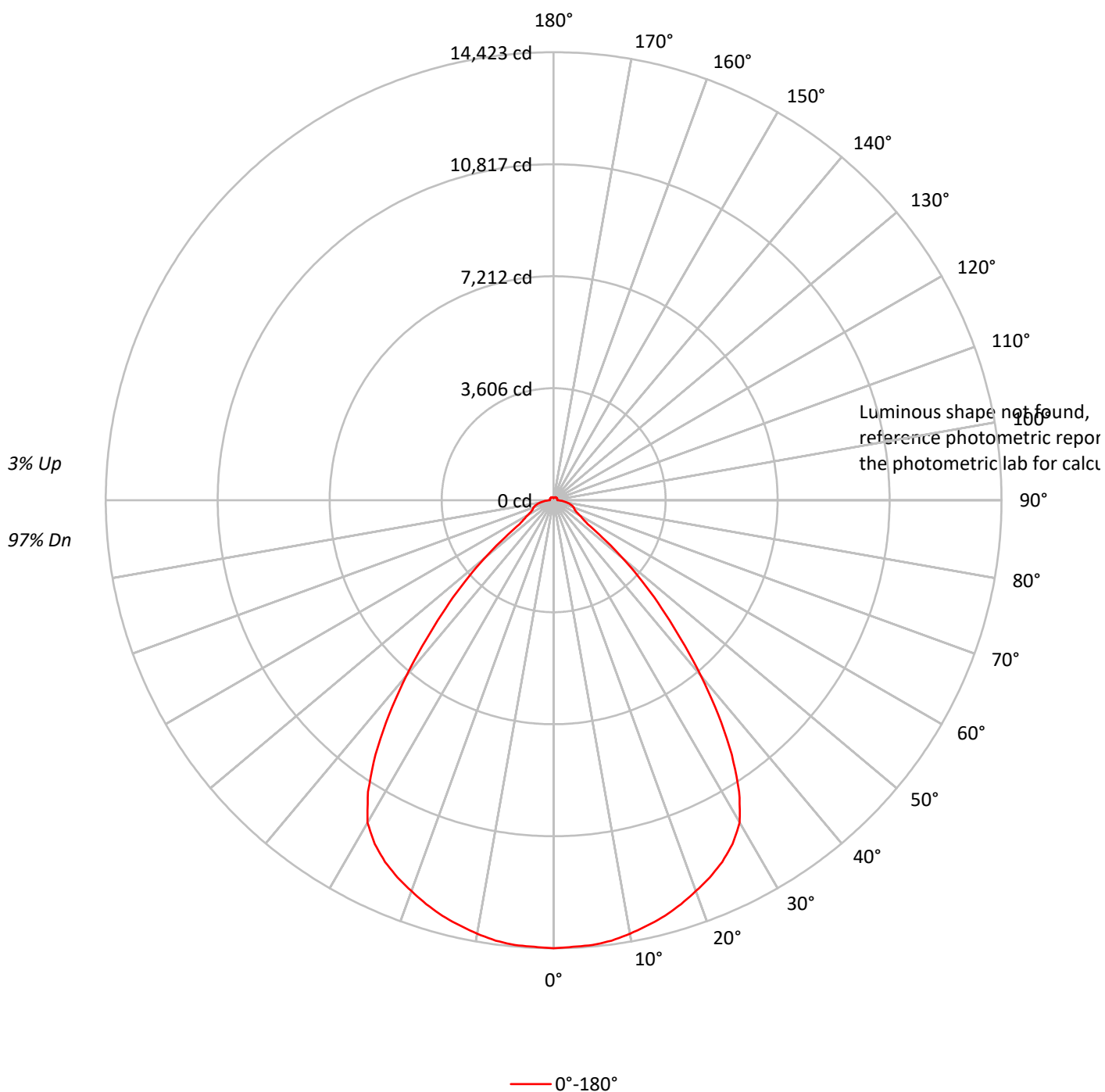
Lumens per Lamp: N/A
Luminaire Lumens: 24971.0 lumens
Efficiency: N/A
Efficacy: 160.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.16
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 155.7
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





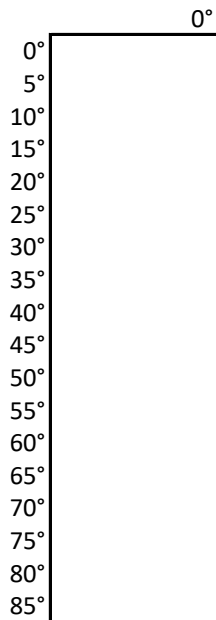
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	111	107	104	101	108	104	102	99	100	97	95	96	94	92	92	90	89	87		
2	103	97	92	87	101	95	90	86	91	87	84	87	84	81	84	81	79	77		
3	96	88	82	76	94	86	80	76	83	78	74	80	76	72	77	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	63	59	66	61	58	56		
6	79	67	60	55	77	66	59	54	64	58	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	58	50	45	68	57	50	45	55	49	45	54	48	44	53	48	44	42		
9	65	53	46	42	64	53	46	41	51	45	41	50	45	41	49	44	40	39		
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1365.6	5.5
10°-20°	3906.5	15.6
20°-30°	5899.8	23.6
30°-40°	6146.8	24.6
40°-50°	3823.5	15.3
50°-60°	1411.1	5.7
60°-70°	777.6	3.1
70°-80°	611.8	2.5
80°-90°	303.3	1.2
90°-100°	129.5	0.5
100°-110°	129.1	0.5
110°-120°	121.7	0.5
120°-130°	107.3	0.4
130°-140°	89.4	0.4
140°-150°	70.2	0.3
150°-160°	47.4	0.2
160°-170°	24.0	0.1
170°-180°	6.8	0.0
0°-30°	11171.9	44.7
0°-40°	17318.7	69.4
0°-60°	22553.2	90.3
0°-90°	24245.9	97.1
90°-120°	380.2	1.5
90°-150°	647.0	2.6
90°-180°	725.0	2.9
0°-180°	24971.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14423	
5°	14374	###
15°	13851	3907
25°	12845	5900
35°	9997	6147
45°	4918	3823
55°	1334	1411
65°	760	778
75°	586	612
85°	276	260
90°	122	76
95°	118	97
105°	122	129
115°	123	122
125°	120	107
135°	115	89
145°	112	70
155°	102	47
165°	83	24
175°	70	7
180°	70	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14423.4
2.5°	14389.9
5°	14373.5
7.5°	14301.3
10°	14170.6
12.5°	14017.6
15°	13850.8
17.5°	13634.1
20°	13389.9
22.5°	13143.1
25°	12844.8
27.5°	12472.5
30°	11982.4
32.5°	11120.9
35°	9997.1
37.5°	8711.6
40°	7367.8
42.5°	6060.0
45°	4918.1
47.5°	3876.0
50°	2903.6
52.5°	1977.6
55°	1333.6
57.5°	1118.6
60°	962.1
62.5°	834.0
65°	760.1
67.5°	721.4
70°	687.0
72.5°	644.0
75°	586.4
77.5°	520.2
80°	445.4
82.5°	362.0
85°	276.0
87.5°	191.7
90°	122.1
92.5°	116.1
95°	117.8
97.5°	119.5
100°	120.4
102.5°	121.2
105°	122.1
107.5°	123.0
110°	123.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	123.0
115°	123.0
117.5°	122.1
120°	121.2
122.5°	120.4
125°	119.5
127.5°	118.7
130°	117.8
132.5°	116.1
135°	115.2
137.5°	114.4
140°	113.5
142.5°	112.6
145°	111.8
147.5°	110.9
150°	109.2
152.5°	105.8
155°	102.3
157.5°	98.0
160°	93.7
162.5°	88.6
165°	83.4
167.5°	78.2
170°	73.9
172.5°	71.4
175°	70.5
177.5°	70.5
180°	70.5

(END OF REPORT)