

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: P1505574

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505574
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 (3500K_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

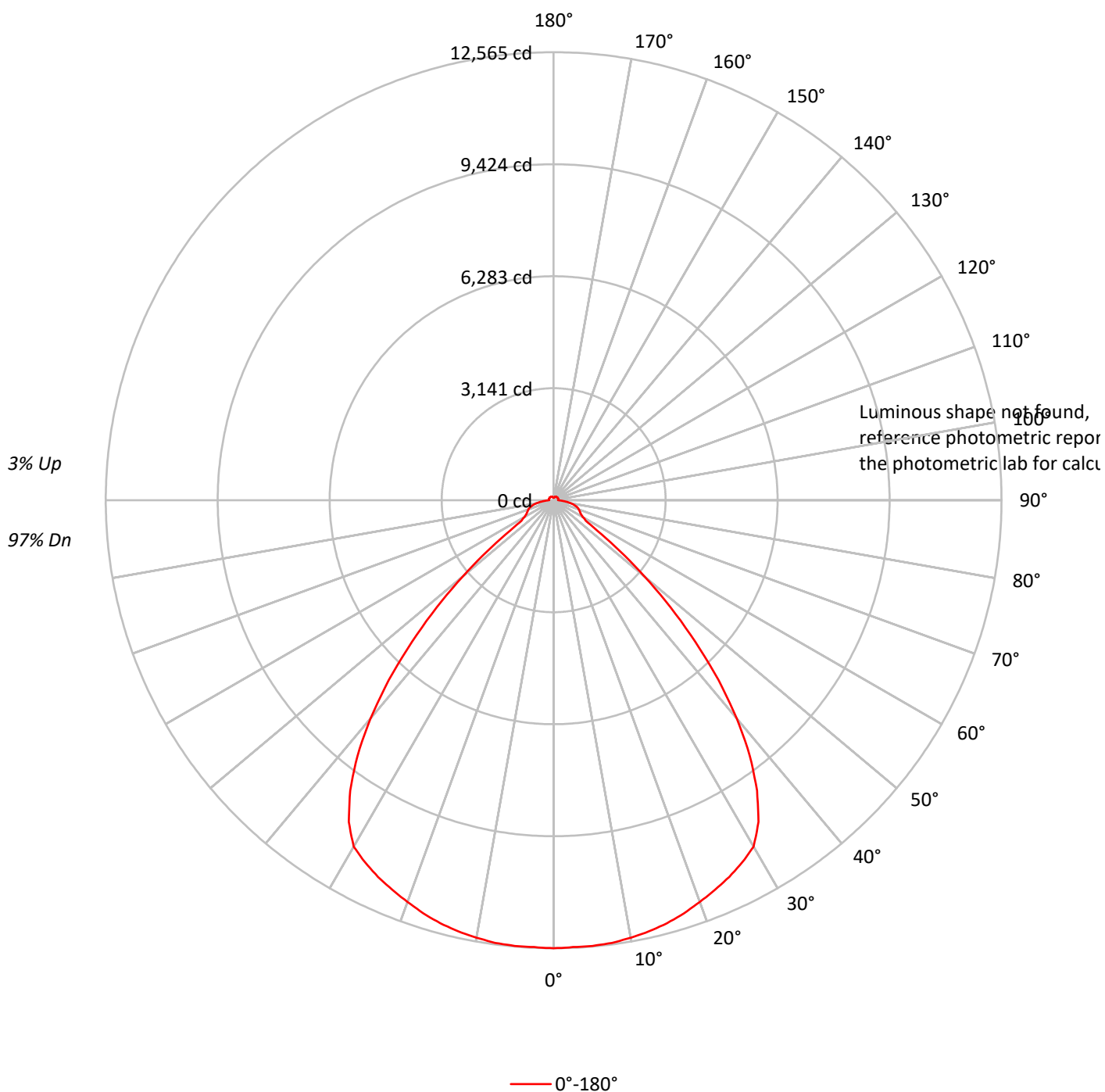
Lumens per Lamp: N/A
Luminaire Lumens: 24647.5 lumens
Efficiency: N/A
Efficacy: 156.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 157.5
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





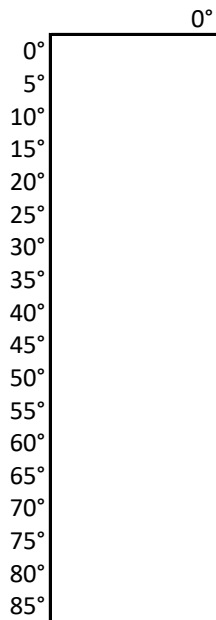
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1194.9	4.8
10°-20°	3468.4	14.1
20°-30°	5375.0	21.8
30°-40°	6130.6	24.9
40°-50°	4318.9	17.5
50°-60°	1555.9	6.3
60°-70°	825.2	3.3
70°-80°	674.2	2.7
80°-90°	324.2	1.3
90°-100°	140.0	0.6
100°-110°	139.6	0.6
110°-120°	131.5	0.5
120°-130°	116.0	0.5
130°-140°	96.3	0.4
140°-150°	74.8	0.3
150°-160°	50.1	0.2
160°-170°	25.0	0.1
170°-180°	7.0	0.0
0°-30°	10038.2	40.7
0°-40°	16168.8	65.6
0°-60°	22043.6	89.4
0°-90°	23867.3	96.8
90°-120°	411.0	1.7
90°-150°	698.1	2.8
90°-180°	780.0	3.2
0°-180°	24647.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12565	
5°	12547	###
15°	12283	3468
25°	11656	5375
35°	9945	6131
45°	5617	4319
55°	1484	1556
65°	822	825
75°	649	674
85°	292	279
90°	130	81
95°	128	105
105°	132	140
115°	133	131
125°	130	116
135°	125	96
145°	119	75
155°	108	50
165°	86	25
175°	72	7
180°	72	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12564.9
2.5°	12544.1
5°	12546.6
7.5°	12521.7
10°	12456.9
12.5°	12383.0
15°	12283.4
17.5°	12148.8
20°	11987.7
22.5°	11825.8
25°	11656.4
27.5°	11453.8
30°	11217.1
32.5°	10694.8
35°	9944.9
37.5°	9043.9
40°	7994.3
42.5°	6845.0
45°	5616.9
47.5°	4445.2
50°	3321.6
52.5°	2339.3
55°	1483.9
57.5°	1071.2
60°	950.8
62.5°	868.6
65°	822.1
67.5°	787.2
70°	753.2
72.5°	709.2
75°	649.4
77.5°	575.5
80°	485.0
82.5°	387.8
85°	292.3
87.5°	202.6
90°	130.4
92.5°	125.4
95°	127.9
97.5°	129.5
100°	130.4
102.5°	131.2
105°	132.0
107.5°	132.9
110°	132.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	132.9
115°	132.9
117.5°	132.0
120°	131.2
122.5°	130.4
125°	129.5
127.5°	127.9
130°	127.1
132.5°	125.4
135°	124.6
137.5°	122.9
140°	121.2
142.5°	120.4
145°	118.7
147.5°	117.9
150°	116.3
152.5°	112.9
155°	108.0
157.5°	103.0
160°	98.0
162.5°	93.0
165°	86.4
167.5°	81.4
170°	76.4
172.5°	73.1
175°	72.2
177.5°	72.2
180°	72.2

(END OF REPORT)