

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: P1505601

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (6500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505601
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 (6500K_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

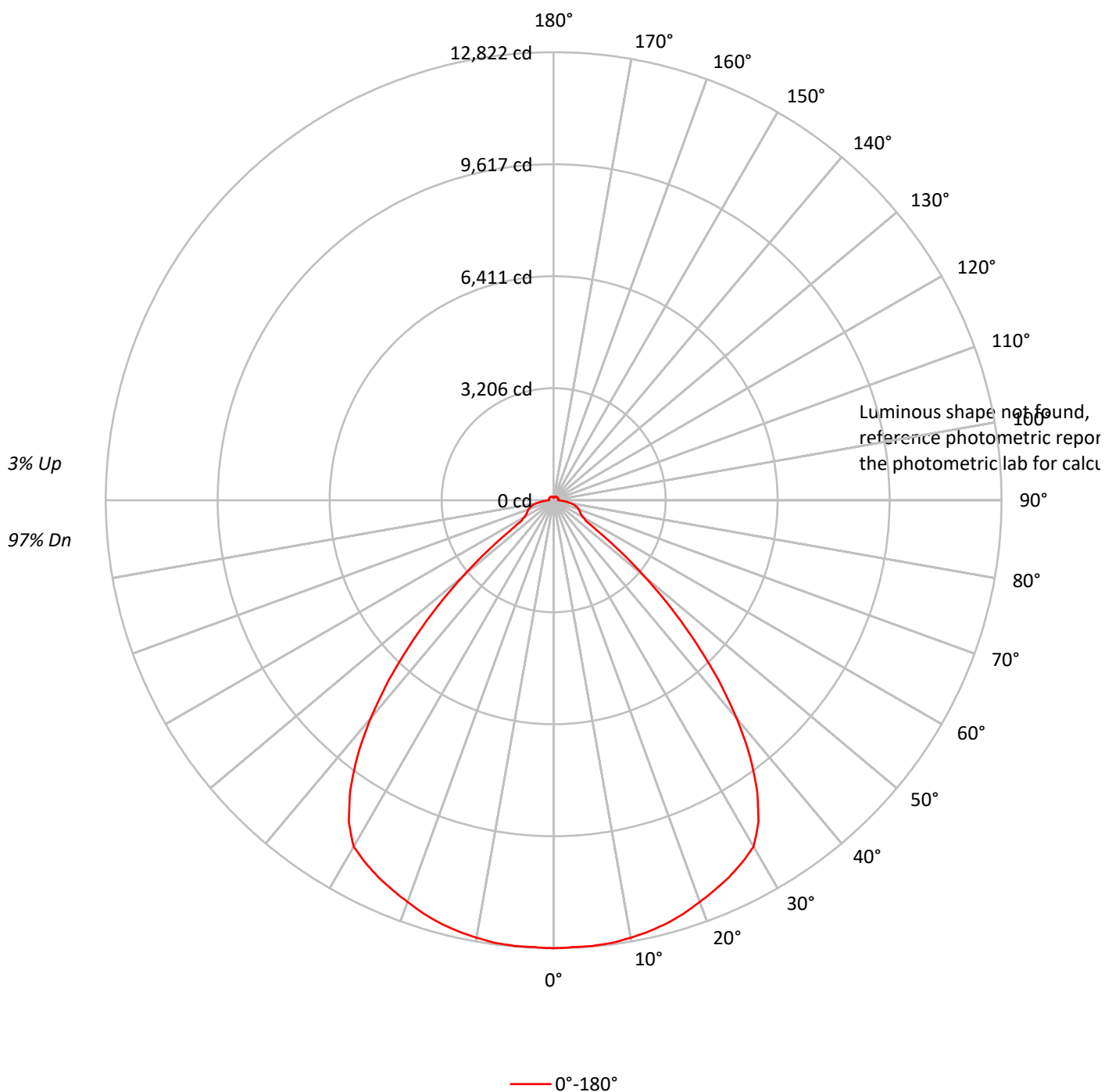
Lumens per Lamp: N/A
Luminaire Lumens: 25152.1 lumens
Efficiency: N/A
Efficacy: 157.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 159.8
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





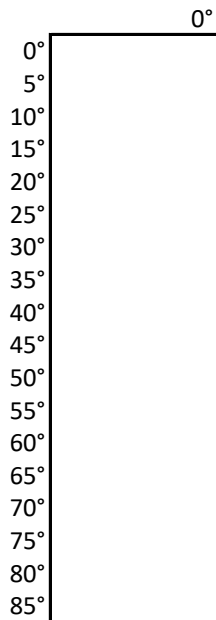
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1219.4	4.8
10°-20°	3539.4	14.1
20°-30°	5485.0	21.8
30°-40°	6256.1	24.9
40°-50°	4407.4	17.5
50°-60°	1587.7	6.3
60°-70°	842.0	3.3
70°-80°	688.0	2.7
80°-90°	330.9	1.3
90°-100°	142.8	0.6
100°-110°	142.4	0.6
110°-120°	134.2	0.5
120°-130°	118.4	0.5
130°-140°	98.3	0.4
140°-150°	76.3	0.3
150°-160°	51.2	0.2
160°-170°	25.5	0.1
170°-180°	7.2	0.0
0°-30°	10243.8	40.7
0°-40°	16499.9	65.6
0°-60°	22495.1	89.4
0°-90°	24356.0	96.8
90°-120°	419.4	1.7
90°-150°	712.4	2.8
90°-180°	796.0	3.2
0°-180°	25152.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12822	
5°	12804	###
15°	12535	3539
25°	11895	5485
35°	10149	6256
45°	5732	4407
55°	1514	1588
65°	839	842
75°	663	688
85°	298	284
90°	133	82
95°	130	107
105°	135	142
115°	136	134
125°	132	118
135°	127	98
145°	121	76
155°	110	51
165°	88	25
175°	74	7
180°	74	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12822.2
2.5°	12801.0
5°	12803.5
7.5°	12778.1
10°	12712.0
12.5°	12636.6
15°	12534.9
17.5°	12397.6
20°	12233.2
22.5°	12068.0
25°	11895.1
27.5°	11688.3
30°	11446.8
32.5°	10913.8
35°	10148.6
37.5°	9229.1
40°	8158.0
42.5°	6985.2
45°	5731.9
47.5°	4536.2
50°	3389.6
52.5°	2387.2
55°	1514.3
57.5°	1093.2
60°	970.3
62.5°	886.4
65°	838.9
67.5°	803.3
70°	768.6
72.5°	723.7
75°	662.7
77.5°	587.3
80°	494.9
82.5°	395.7
85°	298.3
87.5°	206.8
90°	133.0
92.5°	128.0
95°	130.5
97.5°	132.2
100°	133.0
102.5°	133.9
105°	134.7
107.5°	135.6
110°	135.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	135.6
115°	135.6
117.5°	134.7
120°	133.9
122.5°	133.0
125°	132.2
127.5°	130.5
130°	129.7
132.5°	128.0
135°	127.1
137.5°	125.4
140°	123.7
142.5°	122.9
145°	121.2
147.5°	120.3
150°	118.6
152.5°	115.2
155°	110.2
157.5°	105.1
160°	100.0
162.5°	94.9
165°	88.1
167.5°	83.0
170°	78.0
172.5°	74.6
175°	73.7
177.5°	73.7
180°	73.7

(END OF REPORT)