

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: P1505240

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (6500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505240
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-112)
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-A-06-TRWH-PS (6500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

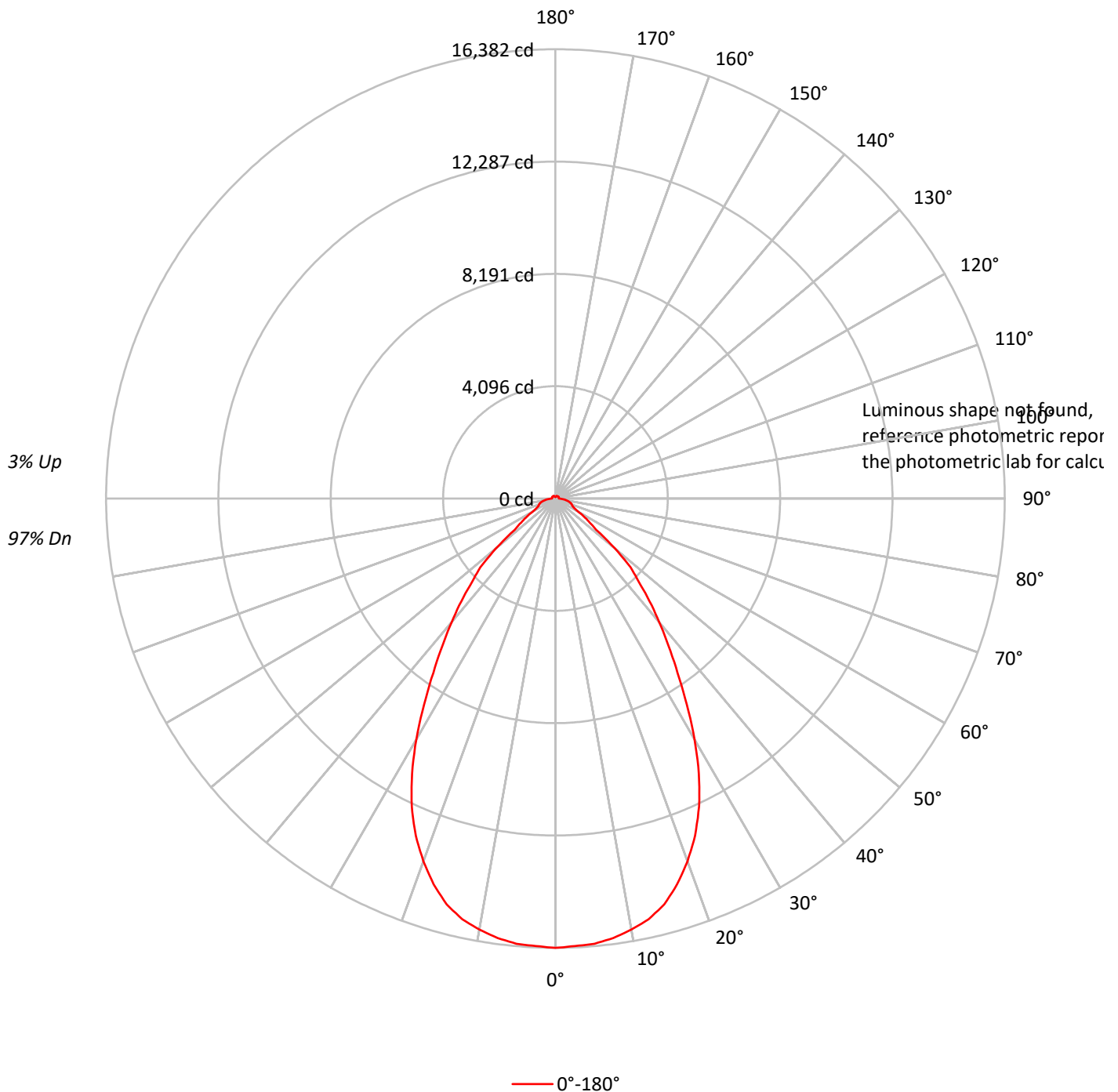
Lumens per Lamp: N/A
Luminaire Lumens: 23491.5 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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





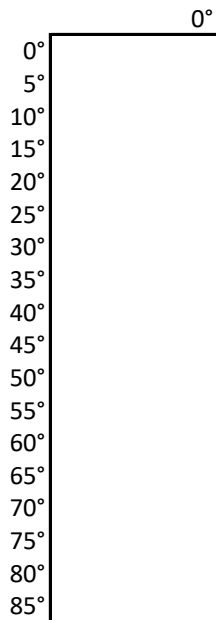
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	111	107	104	101	108	105	102	99	100	97	95	95	94	92	91	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	84	82	84	82	79	77		
3	97	88	82	77	94	87	81	76	84	79	75	81	76	73	78	74	71	69		
4	90	81	74	69	88	79	73	68	77	71	67	74	70	66	72	68	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	62	59	57		
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52		
7	75	63	56	51	73	63	56	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	51	47	57	51	46	55	50	46	54	49	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	46	42	51	46	42	41		
10	63	51	45	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1544.4	6.6
10°-20°	4281.1	18.2
20°-30°	5631.2	24.0
30°-40°	4887.6	20.8
40°-50°	3345.5	14.2
50°-60°	1451.8	6.2
60°-70°	732.0	3.1
70°-80°	574.2	2.4
80°-90°	301.1	1.3
90°-100°	138.7	0.6
100°-110°	136.3	0.6
110°-120°	126.1	0.5
120°-130°	109.2	0.5
130°-140°	89.6	0.4
140°-150°	70.6	0.3
150°-160°	45.8	0.2
160°-170°	20.9	0.1
170°-180°	5.4	0.0
0°-30°	11456.8	48.8
0°-40°	16344.3	69.6
0°-60°	21141.6	90.0
0°-90°	22748.9	96.8
90°-120°	401.1	1.7
90°-150°	670.5	2.9
90°-180°	743.0	3.2
0°-180°	23491.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16382	
5°	16296	###
15°	15320	4281
25°	12390	5631
35°	7765	4888
45°	4288	3346
55°	1525	1452
65°	702	732
75°	552	574
85°	277	256
90°	127	79
95°	127	104
105°	129	136
115°	127	126
125°	122	109
135°	115	90
145°	113	71
155°	98	46
165°	72	21
175°	54	5
180°	52	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16382.1
2.5°	16331.3
5°	16295.7
7.5°	16162.7
10°	15960.1
12.5°	15707.6
15°	15319.5
17.5°	14753.4
20°	14072.1
22.5°	13302.6
25°	12390.0
27.5°	11322.2
30°	10147.7
32.5°	8906.3
35°	7764.8
37.5°	6766.6
40°	5885.3
42.5°	5075.1
45°	4287.9
47.5°	3716.7
50°	2832.9
52.5°	1876.2
55°	1525.3
57.5°	1233.8
60°	967.7
62.5°	792.3
65°	702.5
67.5°	661.0
70°	635.6
72.5°	600.0
75°	551.7
77.5°	492.3
80°	424.6
82.5°	352.5
85°	277.1
87.5°	200.0
90°	127.1
92.5°	125.4
95°	127.1
97.5°	128.0
100°	128.8
102.5°	128.8
105°	128.8
107.5°	128.8
110°	128.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	128.0
115°	127.1
117.5°	126.3
120°	124.6
122.5°	122.9
125°	122.0
127.5°	120.3
130°	118.6
132.5°	116.9
135°	115.2
137.5°	114.4
140°	113.6
142.5°	112.7
145°	112.7
147.5°	111.9
150°	110.2
152.5°	104.2
155°	98.3
157.5°	92.4
160°	85.6
162.5°	78.8
165°	72.0
167.5°	66.1
170°	61.9
172.5°	56.8
175°	54.2
177.5°	52.5
180°	52.5

(END OF REPORT)