

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: P1505213

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505213
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 (3500K_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

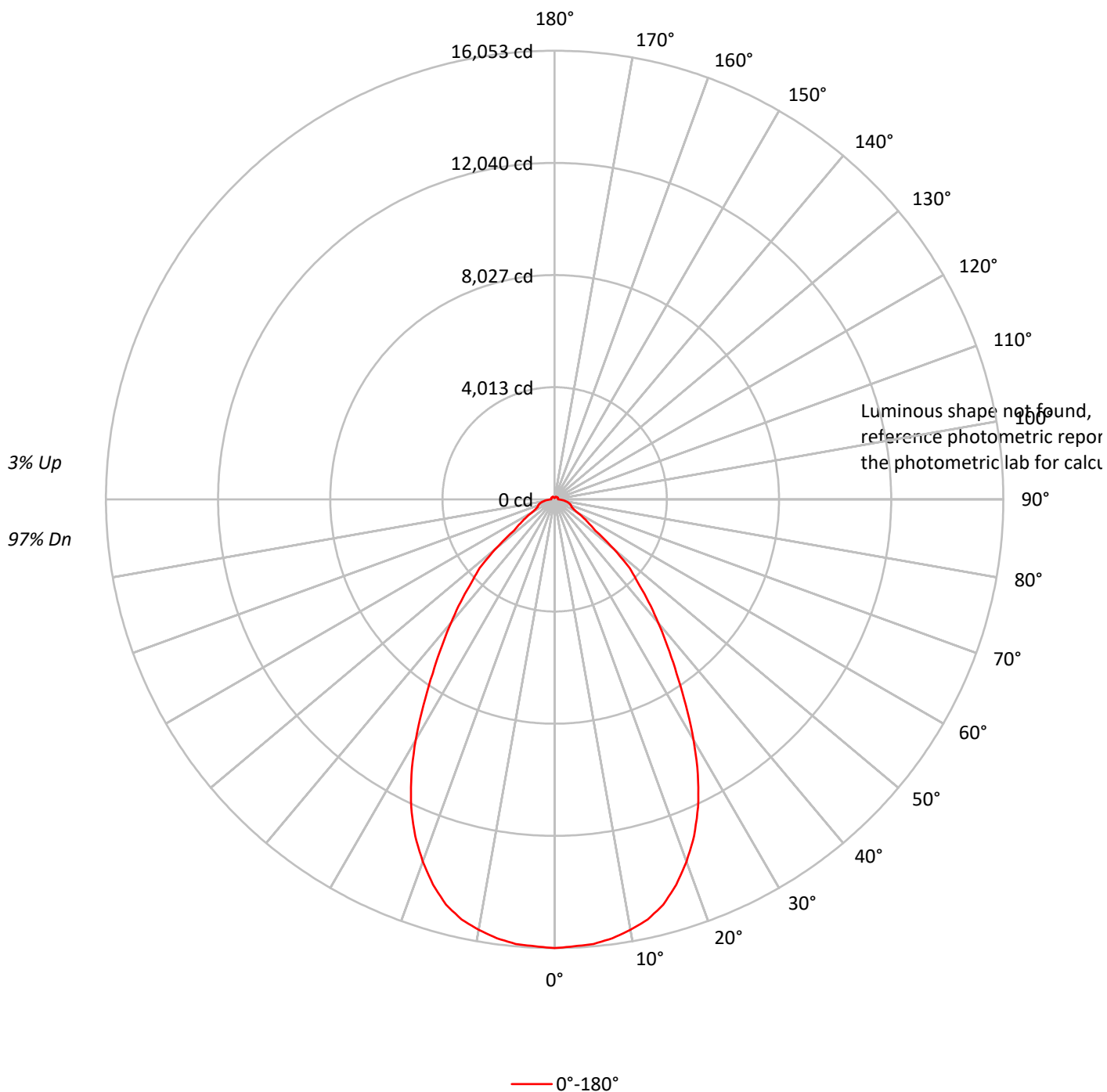
Lumens per Lamp: N/A
Luminaire Lumens: 23020.1 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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



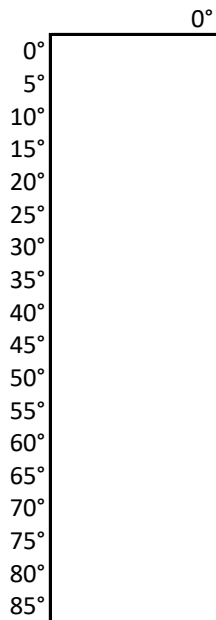
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	111	107	104	101	108	105	102	99	100	97	95	95	94	92	92	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°	1513.5	6.6
10°-20°	4195.2	18.2
20°-30°	5518.2	24.0
30°-40°	4789.5	20.8
40°-50°	3278.4	14.2
50°-60°	1422.7	6.2
60°-70°	717.3	3.1
70°-80°	562.6	2.4
80°-90°	295.1	1.3
90°-100°	135.9	0.6
100°-110°	133.5	0.6
110°-120°	123.6	0.5
120°-130°	107.1	0.5
130°-140°	87.8	0.4
140°-150°	69.1	0.3
150°-160°	44.9	0.2
160°-170°	20.5	0.1
170°-180°	5.3	0.0
0°-30°	11226.9	48.8
0°-40°	16016.4	69.6
0°-60°	20717.5	90.0
0°-90°	22292.4	96.8
90°-120°	393.0	1.7
90°-150°	657.0	2.9
90°-180°	728.0	3.2
0°-180°	23020.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16053	
5°	15969	###
15°	15012	4195
25°	12141	5518
35°	7609	4790
45°	4202	3278
55°	1495	1423
65°	688	717
75°	541	563
85°	272	251
90°	125	78
95°	125	102
105°	126	134
115°	125	124
125°	120	107
135°	113	88
145°	110	69
155°	96	45
165°	71	21
175°	53	5
180°	52	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16053.4
2.5°	16003.6
5°	15968.7
7.5°	15838.3
10°	15639.9
12.5°	15392.4
15°	15012.1
17.5°	14457.4
20°	13789.7
22.5°	13035.7
25°	12141.4
27.5°	11095.1
30°	9944.1
32.5°	8727.6
35°	7609.0
37.5°	6630.8
40°	5767.2
42.5°	4973.3
45°	4201.9
47.5°	3642.2
50°	2776.0
52.5°	1838.5
55°	1494.7
57.5°	1209.1
60°	948.3
62.5°	776.4
65°	688.4
67.5°	647.7
70°	622.8
72.5°	587.9
75°	540.6
77.5°	482.5
80°	416.0
82.5°	345.4
85°	271.5
87.5°	196.0
90°	124.6
92.5°	122.9
95°	124.6
97.5°	125.4
100°	126.2
102.5°	126.2
105°	126.2
107.5°	126.2
110°	126.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	125.4
115°	124.6
117.5°	123.7
120°	122.1
122.5°	120.4
125°	119.6
127.5°	117.9
130°	116.3
132.5°	114.6
135°	112.9
137.5°	112.1
140°	111.3
142.5°	110.4
145°	110.4
147.5°	109.6
150°	108.0
152.5°	102.1
155°	96.3
157.5°	90.5
160°	83.9
162.5°	77.2
165°	70.6
167.5°	64.8
170°	60.6
172.5°	55.6
175°	53.1
177.5°	51.5
180°	51.5

(END OF REPORT)