

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: P1505573

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505573
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-124)
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_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

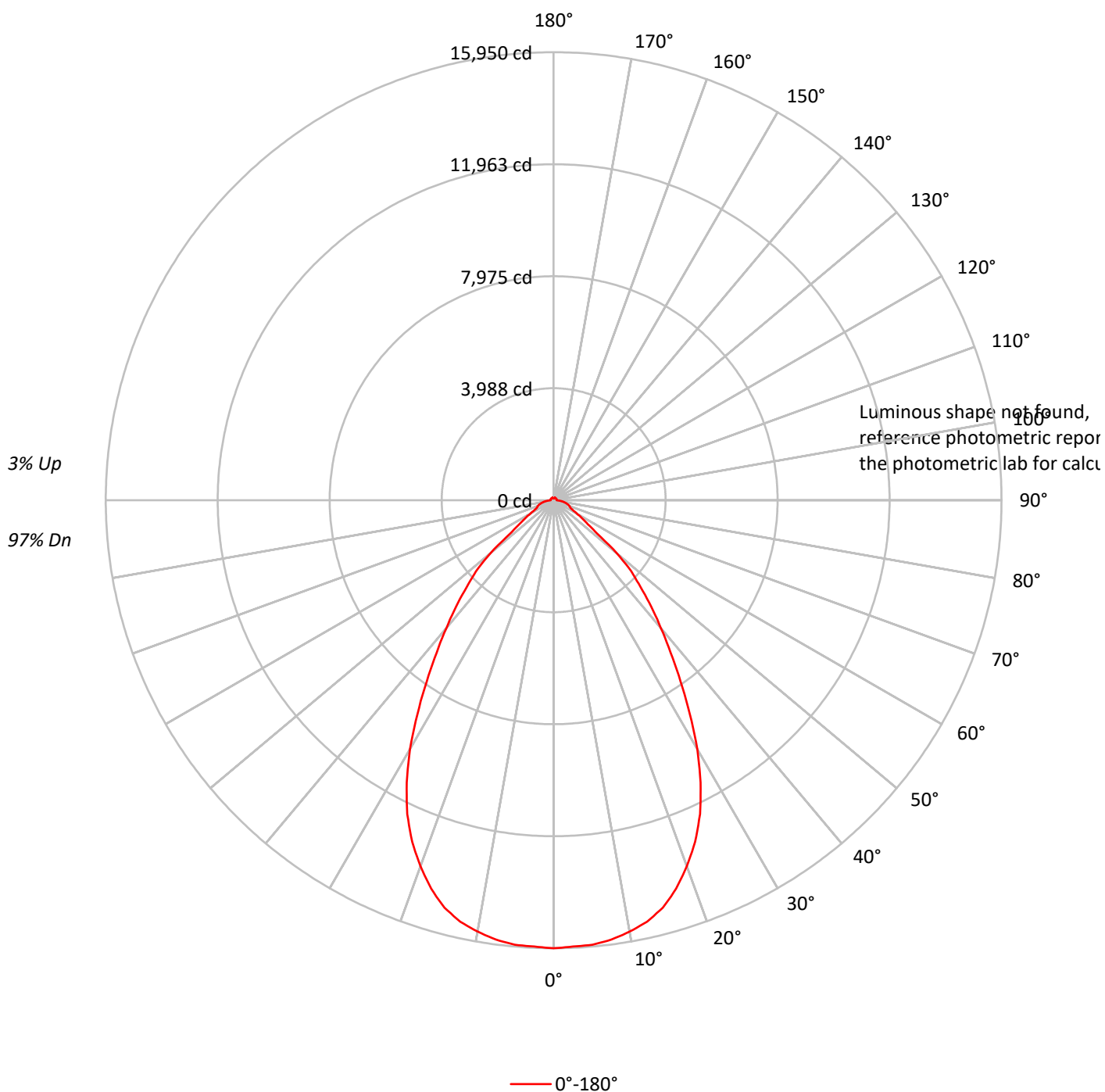
Lumens per Lamp: N/A
Luminaire Lumens: 23240.4 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.02
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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





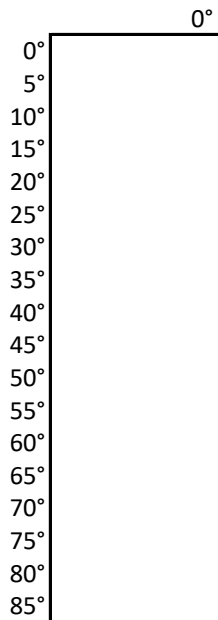
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	110	110	110	104	104	104	100	100	100	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	87		
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	82	80	78		
3	97	89	82	77	94	87	81	77	84	79	75	81	77	73	78	75	72	70		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	72	68	65	63		
5	85	74	67	62	83	73	67	62	71	65	61	69	64	60	67	63	59	57		
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	62	58	54	52		
7	75	64	56	51	73	63	56	51	61	55	51	59	54	50	58	53	50	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	43	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°	1506.8	6.5
10°-20°	4199.9	18.1
20°-30°	5606.2	24.1
30°-40°	4946.3	21.3
40°-50°	3398.4	14.6
50°-60°	1463.8	6.3
60°-70°	706.8	3.0
70°-80°	518.2	2.2
80°-90°	252.0	1.1
90°-100°	114.0	0.5
100°-110°	113.9	0.5
110°-120°	107.2	0.5
120°-130°	94.6	0.4
130°-140°	79.0	0.3
140°-150°	62.3	0.3
150°-160°	42.7	0.2
160°-170°	21.9	0.1
170°-180°	6.4	0.0
0°-30°	11313.0	48.7
0°-40°	16259.2	70.0
0°-60°	21121.5	90.9
0°-90°	22598.5	97.2
90°-120°	335.1	1.4
90°-150°	571.0	2.5
90°-180°	642.0	2.8
0°-180°	23240.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15950	
5°	15885	###
15°	15018	4200
25°	12331	5606
35°	7881	4946
45°	4374	3398
55°	1490	1464
65°	675	707
75°	497	518
85°	229	215
90°	107	66
95°	104	85
105°	108	114
115°	108	107
125°	106	95
135°	101	79
145°	99	62
155°	92	43
165°	76	22
175°	66	6
180°	66	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15949.6
2.5°	15906.4
5°	15884.8
7.5°	15777.7
10°	15593.4
12.5°	15365.8
15°	15017.9
17.5°	14502.2
20°	13867.8
22.5°	13164.4
25°	12330.7
27.5°	11330.1
30°	10231.4
32.5°	9024.8
35°	7881.4
37.5°	6840.1
40°	5939.9
42.5°	5147.7
45°	4373.7
47.5°	3745.1
50°	2951.3
52.5°	1935.7
55°	1489.7
57.5°	1213.2
60°	960.8
62.5°	775.6
65°	675.1
67.5°	628.6
70°	594.6
72.5°	552.2
75°	496.6
77.5°	433.5
80°	366.2
82.5°	297.3
85°	229.2
87.5°	161.9
90°	107.1
92.5°	102.1
95°	103.8
97.5°	105.5
100°	106.3
102.5°	107.1
105°	108.0
107.5°	108.0
110°	108.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	108.0
115°	108.0
117.5°	108.0
120°	107.1
122.5°	106.3
125°	105.5
127.5°	104.6
130°	103.8
132.5°	103.0
135°	101.3
137.5°	101.3
140°	100.5
142.5°	99.6
145°	98.8
147.5°	98.8
150°	98.0
152.5°	95.5
155°	92.2
157.5°	88.0
160°	84.7
162.5°	80.5
165°	75.6
167.5°	72.2
170°	68.9
172.5°	66.4
175°	65.6
177.5°	65.6
180°	65.6

(END OF REPORT)