

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: P1505588

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (4000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505588
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 (4000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

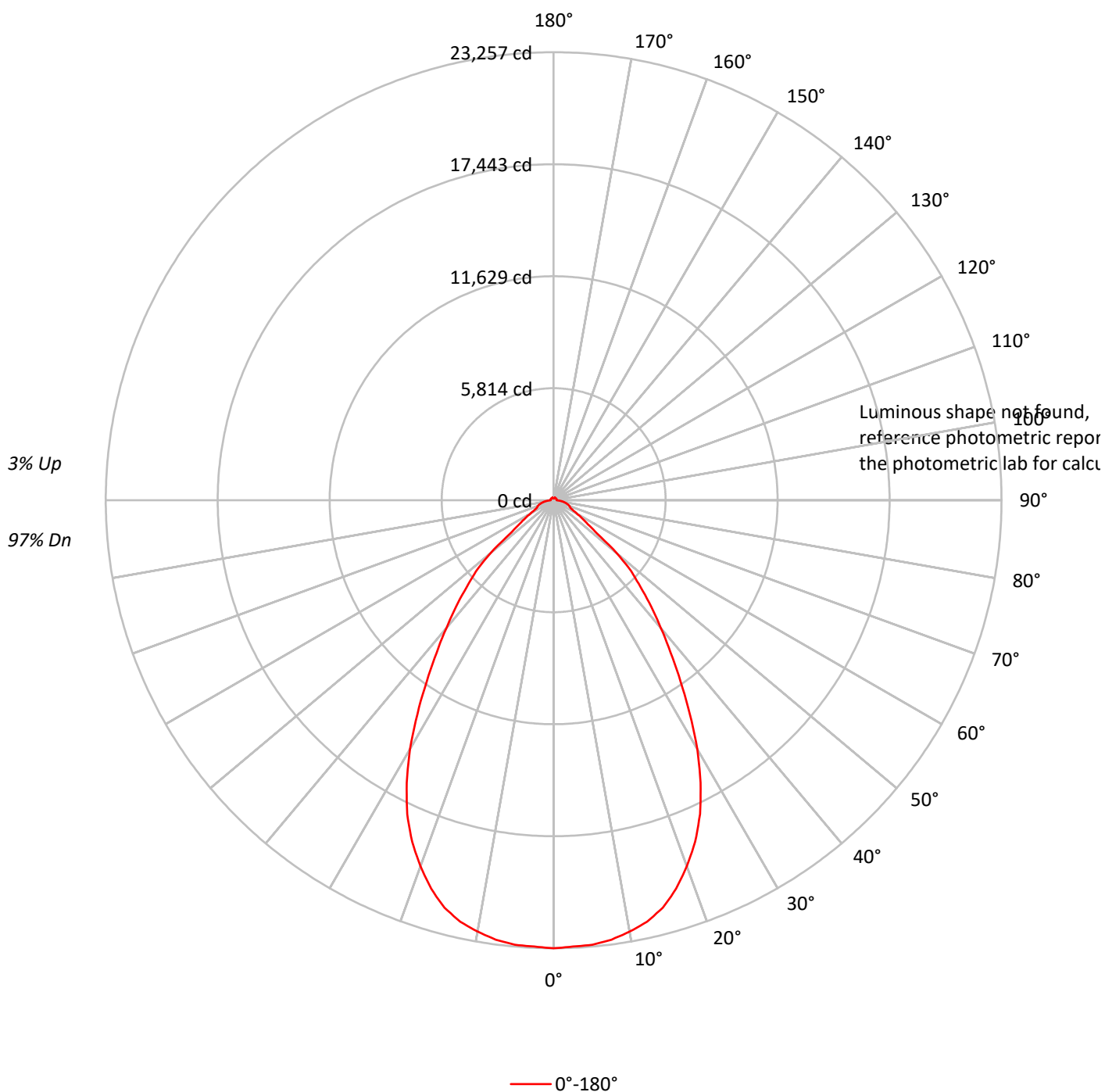
Lumens per Lamp: N/A
Luminaire Lumens: 33888.3 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.02
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 231.9
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°	2197.2	6.5
10°-20°	6124.2	18.1
20°-30°	8174.8	24.1
30°-40°	7212.5	21.3
40°-50°	4955.5	14.6
50°-60°	2134.5	6.3
60°-70°	1030.7	3.0
70°-80°	755.6	2.2
80°-90°	367.4	1.1
90°-100°	166.3	0.5
100°-110°	166.0	0.5
110°-120°	156.2	0.5
120°-130°	138.0	0.4
130°-140°	115.1	0.3
140°-150°	90.8	0.3
150°-160°	62.2	0.2
160°-170°	31.9	0.1
170°-180°	9.3	0.0
0°-30°	16496.2	48.7
0°-40°	23708.7	70.0
0°-60°	30798.7	90.9
0°-90°	32952.4	97.2
90°-120°	488.6	1.4
90°-150°	832.6	2.5
90°-180°	936.0	2.8
0°-180°	33888.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23257	
5°	23163	###
15°	21899	6124
25°	17980	8175
35°	11492	7212
45°	6378	4955
55°	2172	2135
65°	984	1031
75°	724	756
85°	334	314
90°	156	96
95°	151	124
105°	157	166
115°	157	156
125°	154	138
135°	148	115
145°	144	91
155°	134	62
165°	110	32
175°	96	9
180°	96	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23257.2
2.5°	23194.2
5°	23162.7
7.5°	23006.5
10°	22737.7
12.5°	22405.9
15°	21898.6
17.5°	21146.6
20°	20221.5
22.5°	19195.9
25°	17980.2
27.5°	16521.1
30°	14919.1
32.5°	13159.7
35°	11492.4
37.5°	9973.9
40°	8661.3
42.5°	7506.2
45°	6377.6
47.5°	5461.0
50°	4303.4
52.5°	2822.5
55°	2172.3
57.5°	1769.1
60°	1401.0
62.5°	1131.0
65°	984.4
67.5°	916.6
70°	867.0
72.5°	805.2
75°	724.1
77.5°	632.1
80°	534.0
82.5°	433.5
85°	334.2
87.5°	236.1
90°	156.2
92.5°	148.9
95°	151.4
97.5°	153.8
100°	155.0
102.5°	156.2
105°	157.4
107.5°	157.4
110°	158.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	157.4
115°	157.4
117.5°	157.4
120°	156.2
122.5°	155.0
125°	153.8
127.5°	152.6
130°	151.4
132.5°	150.1
135°	147.7
137.5°	147.7
140°	146.5
142.5°	145.3
145°	144.1
147.5°	144.1
150°	142.9
152.5°	139.2
155°	134.4
157.5°	128.4
160°	123.5
162.5°	117.5
165°	110.2
167.5°	105.3
170°	100.5
172.5°	96.9
175°	95.7
177.5°	95.7
180°	95.7

(END OF REPORT)