

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: P1505568

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505568
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 (3000K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

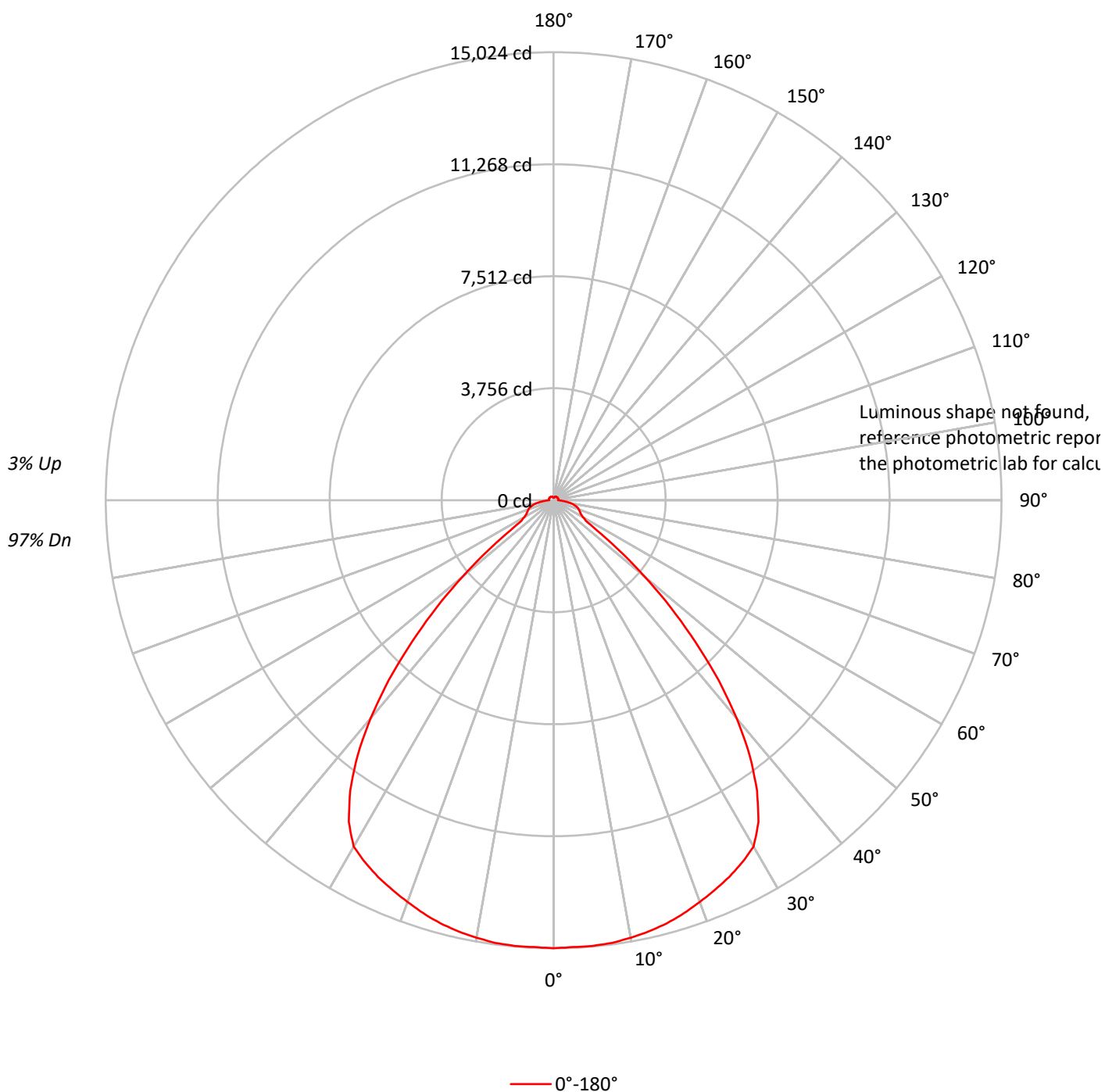
Lumens per Lamp: N/A
Luminaire Lumens: 29470.6 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 199.4
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°	1428.7	4.8
10°-20°	4147.1	14.1
20°-30°	6426.7	21.8
30°-40°	7330.3	24.9
40°-50°	5164.1	17.5
50°-60°	1860.3	6.3
60°-70°	986.7	3.3
70°-80°	806.1	2.7
80°-90°	387.7	1.3
90°-100°	167.4	0.6
100°-110°	166.9	0.6
110°-120°	157.2	0.5
120°-130°	138.7	0.5
130°-140°	115.1	0.4
140°-150°	89.4	0.3
150°-160°	59.9	0.2
160°-170°	29.9	0.1
170°-180°	8.4	0.0
0°-30°	12002.5	40.7
0°-40°	19332.8	65.6
0°-60°	26357.2	89.4
0°-90°	28537.7	96.8
90°-120°	491.5	1.7
90°-150°	834.7	2.8
90°-180°	933.0	3.2
0°-180°	29470.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15024	
5°	15002	###
15°	14687	4147
25°	13937	6427
35°	11891	7330
45°	6716	5164
55°	1774	1860
65°	983	987
75°	776	806
85°	350	333
90°	156	96
95°	153	125
105°	158	167
115°	159	157
125°	155	139
135°	149	115
145°	142	89
155°	129	60
165°	103	30
175°	86	8
180°	86	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15023.6
2.5°	14998.7
5°	15001.7
7.5°	14971.9
10°	14894.5
12.5°	14806.1
15°	14687.0
17.5°	14526.1
20°	14333.5
22.5°	14139.9
25°	13937.3
27.5°	13695.1
30°	13412.1
32.5°	12787.6
35°	11891.0
37.5°	10813.7
40°	9558.6
42.5°	8184.5
45°	6716.0
47.5°	5315.0
50°	3971.6
52.5°	2797.0
55°	1774.3
57.5°	1280.8
60°	1136.9
62.5°	1038.6
65°	983.0
67.5°	941.3
70°	900.6
72.5°	847.9
75°	776.4
77.5°	688.1
80°	579.9
82.5°	463.7
85°	349.5
87.5°	242.3
90°	155.9
92.5°	149.9
95°	152.9
97.5°	154.9
100°	155.9
102.5°	156.9
105°	157.9
107.5°	158.9
110°	158.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	158.9
115°	158.9
117.5°	157.9
120°	156.9
122.5°	155.9
125°	154.9
127.5°	152.9
130°	151.9
132.5°	149.9
135°	148.9
137.5°	146.9
140°	145.0
142.5°	144.0
145°	142.0
147.5°	141.0
150°	139.0
152.5°	135.0
155°	129.1
157.5°	123.1
160°	117.2
162.5°	111.2
165°	103.3
167.5°	97.3
170°	91.3
172.5°	87.4
175°	86.4
177.5°	86.4
180°	86.4

(END OF REPORT)