

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: P1505546

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (5000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505546
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-118)
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-CLER-PS (5000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

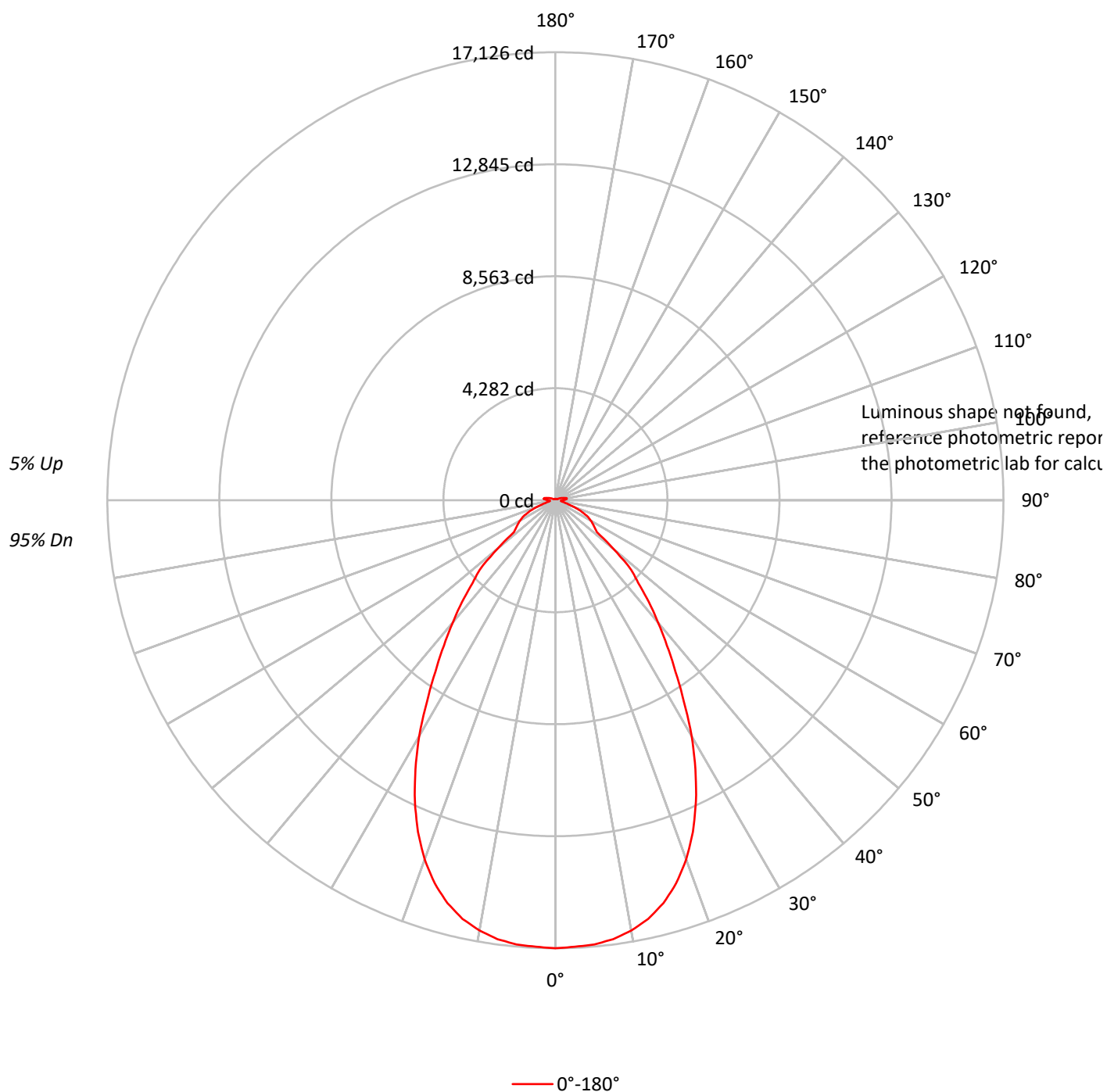
Lumens per Lamp: N/A
Luminaire Lumens: 25158.0 lumens
Efficiency: N/A
Efficacy: 160.9 lumens/watt
Spacing Criteria (0/90/45): 1/1/2001
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 156.4
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	103	103	103	98	98	98	95		
1	110	107	103	101	107	104	101	99	99	97	95	95	93	91	90	89	88	85		
2	103	97	91	87	100	94	90	86	90	86	83	87	83	81	83	80	78	76		
3	96	88	81	76	93	86	80	75	83	78	74	79	75	72	76	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	70	67	63	61		
5	84	73	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	55		
6	79	68	60	55	77	67	60	55	64	58	54	62	57	53	61	56	52	51		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	50	46	56	50	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	38	46	42	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1616.2	6.4
10°-20°	4459.1	17.7
20°-30°	5790.5	23.0
30°-40°	5035.9	20.0
40°-50°	3488.0	13.9
50°-60°	1729.6	6.9
60°-70°	1182.9	4.7
70°-80°	454.1	1.8
80°-90°	246.0	1.0
90°-100°	423.4	1.7
100°-110°	367.4	1.5
110°-120°	161.7	0.6
120°-130°	68.8	0.3
130°-140°	49.9	0.2
140°-150°	38.5	0.2
150°-160°	26.5	0.1
160°-170°	15.0	0.1
170°-180°	4.6	0.0
0°-30°	11865.7	47.2
0°-40°	16901.6	67.2
0°-60°	22119.2	87.9
0°-90°	24002.1	95.4
90°-120°	952.4	3.8
90°-150°	1109.6	4.4
90°-180°	1156.0	4.6
0°-180°	25158.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17126	
5°	17045	###
15°	15945	4459
25°	12709	5790
35°	7996	5036
45°	4466	3488
55°	1833	1730
65°	1220	1183
75°	393	454
85°	207	176
90°	277	155
95°	407	338
105°	348	367
115°	156	162
125°	73	69
135°	65	50
145°	61	38
155°	57	27
165°	53	15
175°	50	5
180°	50	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17125.9
2.5°	17084.2
5°	17045.1
7.5°	16922.6
10°	16701.2
12.5°	16391.1
15°	15944.7
17.5°	15355.0
20°	14609.0
22.5°	13724.0
25°	12708.7
27.5°	11590.9
30°	10412.4
32.5°	9140.0
35°	7996.2
37.5°	7001.8
40°	6112.5
42.5°	5284.8
45°	4465.8
47.5°	3929.1
50°	2888.6
52.5°	1991.5
55°	1833.4
57.5°	1699.6
60°	1564.2
62.5°	1413.9
65°	1220.2
67.5°	994.4
70°	753.9
72.5°	539.3
75°	393.4
77.5°	297.0
80°	235.4
82.5°	207.6
85°	206.7
87.5°	231.0
90°	277.1
92.5°	343.1
95°	407.3
97.5°	443.8
100°	440.3
102.5°	400.4
105°	348.3
107.5°	295.3
110°	244.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	197.1
115°	155.5
117.5°	123.3
120°	99.9
122.5°	83.4
125°	73.0
127.5°	66.9
130°	64.3
132.5°	63.4
135°	65.1
137.5°	65.1
140°	64.3
142.5°	63.4
145°	60.8
147.5°	59.1
150°	58.2
152.5°	57.3
155°	57.3
157.5°	57.3
160°	56.5
162.5°	54.7
165°	53.0
167.5°	50.4
170°	48.6
172.5°	47.8
175°	49.5
177.5°	49.5
180°	49.5

(END OF REPORT)