

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: P1505525

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505525
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 (3000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

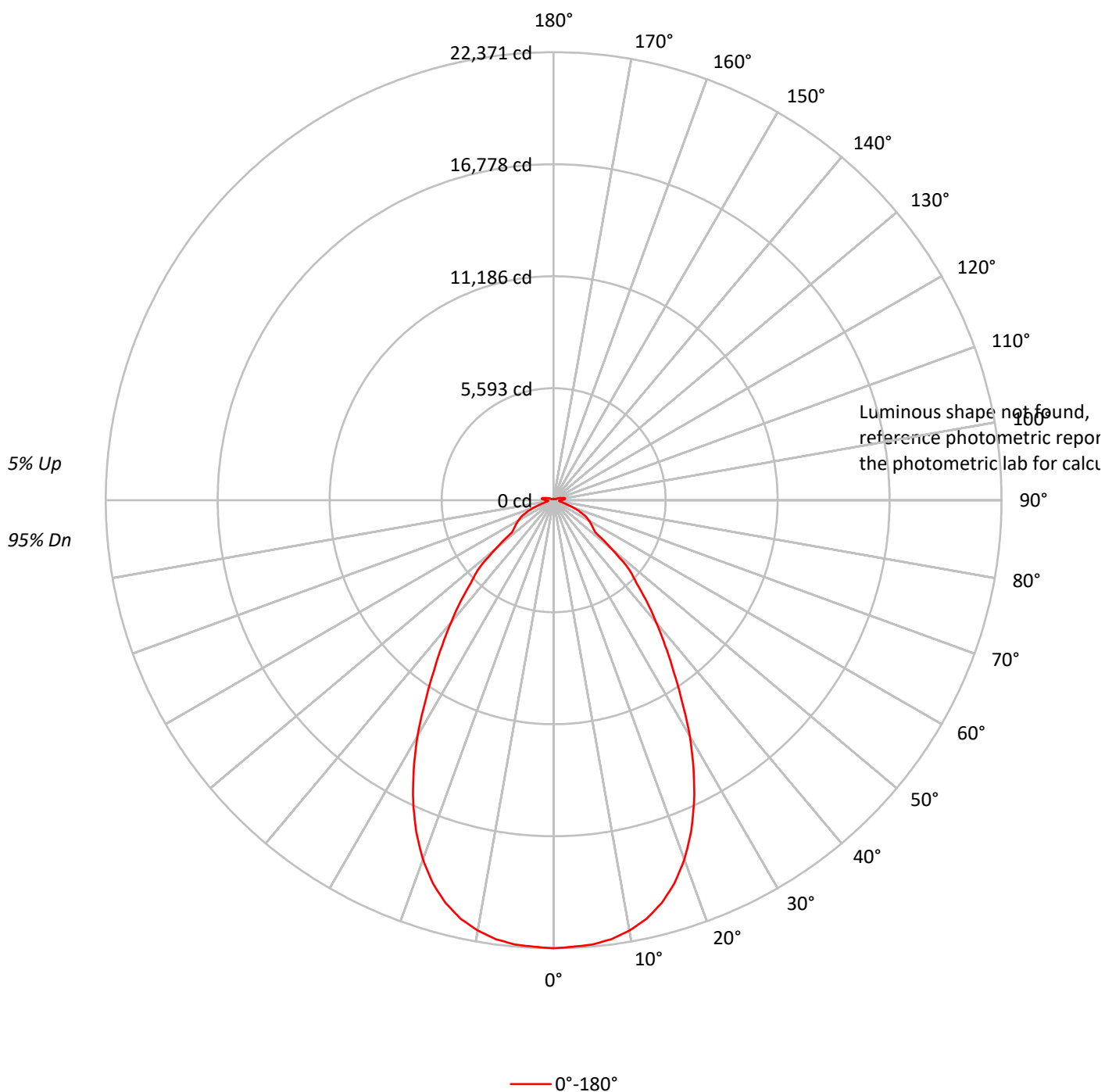
Lumens per Lamp: N/A
Luminaire Lumens: 32863.6 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Spacing Criteria (0/90/45): 1/1/2001
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 237.6
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°	2111.2	6.4
10°-20°	5824.8	17.7
20°-30°	7564.0	23.0
30°-40°	6578.4	20.0
40°-50°	4556.3	13.9
50°-60°	2259.3	6.9
60°-70°	1545.2	4.7
70°-80°	593.2	1.8
80°-90°	321.3	1.0
90°-100°	553.0	1.7
100°-110°	479.9	1.5
110°-120°	211.2	0.6
120°-130°	89.8	0.3
130°-140°	65.2	0.2
140°-150°	50.3	0.2
150°-160°	34.7	0.1
160°-170°	19.6	0.1
170°-180°	6.1	0.0
0°-30°	15500.1	47.2
0°-40°	22078.5	67.2
0°-60°	28894.1	87.9
0°-90°	31353.8	95.4
90°-120°	1244.1	3.8
90°-150°	1449.4	4.4
90°-180°	1510.0	4.6
0°-180°	32863.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22371	
5°	22266	###
15°	20828	5825
25°	16601	7564
35°	10445	6578
45°	5834	4556
55°	2395	2259
65°	1594	1545
75°	514	593
85°	270	230
90°	362	202
95°	532	442
105°	455	480
115°	203	211
125°	95	90
135°	85	65
145°	79	50
155°	75	35
165°	69	20
175°	65	6
180°	65	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22371.4
2.5°	22316.9
5°	22265.9
7.5°	22105.9
10°	21816.6
12.5°	21411.6
15°	20828.5
17.5°	20058.1
20°	19083.6
22.5°	17927.5
25°	16601.3
27.5°	15141.2
30°	13601.6
32.5°	11939.6
35°	10445.4
37.5°	9146.4
40°	7984.7
42.5°	6903.5
45°	5833.6
47.5°	5132.5
50°	3773.4
52.5°	2601.4
55°	2394.9
57.5°	2220.2
60°	2043.3
62.5°	1847.0
65°	1594.0
67.5°	1299.0
70°	984.8
72.5°	704.5
75°	513.9
77.5°	388.0
80°	307.5
82.5°	271.1
85°	270.0
87.5°	301.8
90°	361.9
92.5°	448.1
95°	532.1
97.5°	579.7
100°	575.2
102.5°	523.0
105°	454.9
107.5°	385.7
110°	318.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	257.5
115°	203.1
117.5°	161.1
120°	130.5
122.5°	108.9
125°	95.3
127.5°	87.4
130°	84.0
132.5°	82.8
135°	85.1
137.5°	85.1
140°	84.0
142.5°	82.8
145°	79.4
147.5°	77.1
150°	76.0
152.5°	74.9
155°	74.9
157.5°	74.9
160°	73.7
162.5°	71.5
165°	69.2
167.5°	65.8
170°	63.5
172.5°	62.4
175°	64.7
177.5°	64.7
180°	64.7

(END OF REPORT)