

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: P1505196

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (6500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505196
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-108)
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-A-06-CLER-PS (6500K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

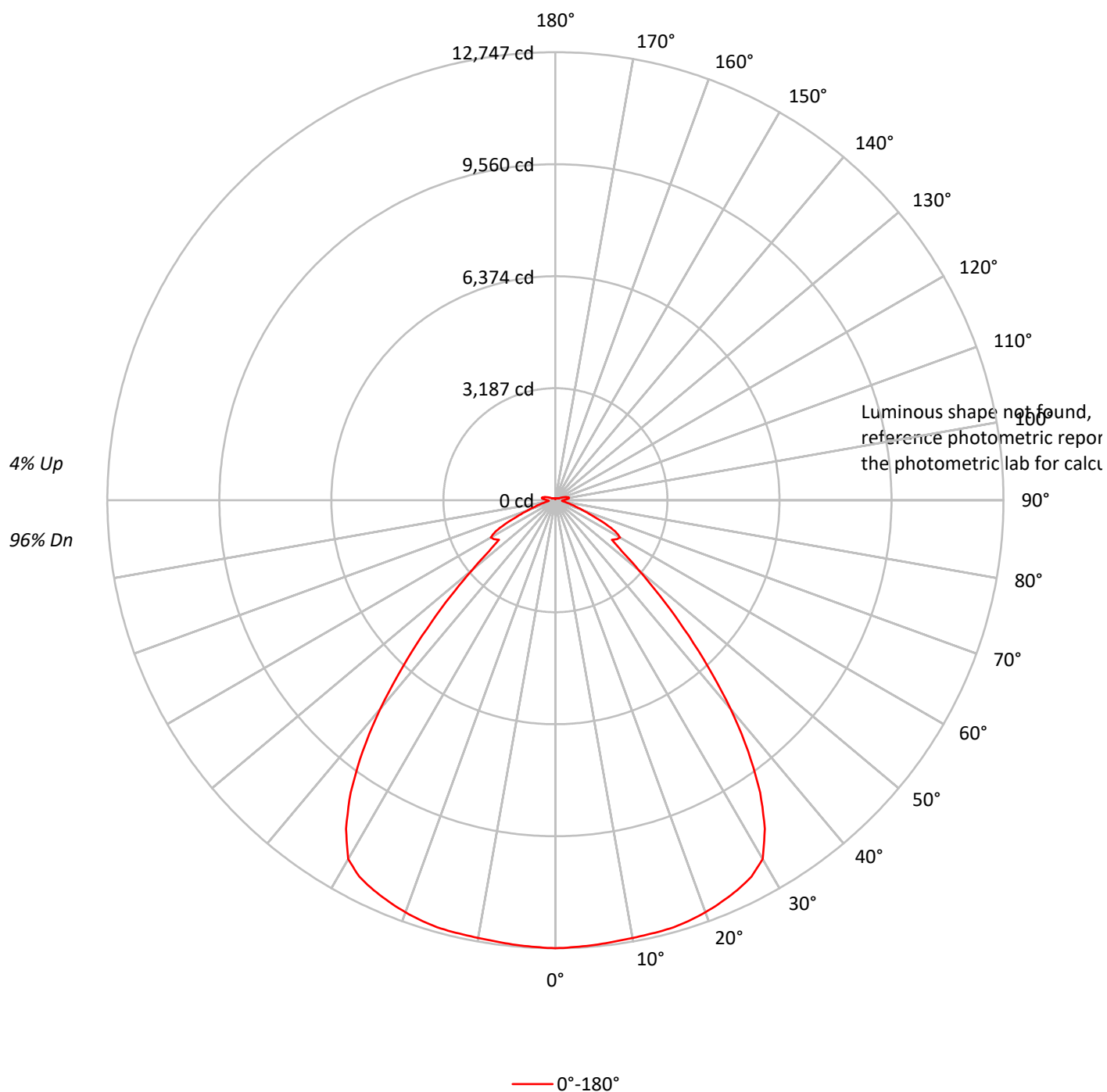
Lumens per Lamp: N/A
Luminaire Lumens: 26031.8 lumens
Efficiency: N/A
Efficacy: 162.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.22
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 159.8
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		
R																				
C	0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96	
R	1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	85	
	2	102	96	90	86	99	93	88	84	89	85	82	86	82	79	82	79	77	75	
	3	95	86	80	74	92	84	78	73	81	76	72	78	74	70	75	71	68	66	
	4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	69	64	61	59	
	5	82	71	63	58	80	70	63	57	67	61	56	65	60	55	63	58	55	53	
	6	76	65	57	52	74	64	57	51	62	55	51	60	54	50	58	53	49	47	
	7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	43	
	8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	39	
	9	63	51	44	39	61	50	43	38	49	42	38	47	42	38	46	41	37	36	
	10	59	47	40	35	58	47	40	35	45	39	35	44	39	35	43	38	34	33	

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (6500K_L24_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1210.6	4.7
10°-20°	3567.2	13.7
20°-30°	5640.6	21.7
30°-40°	6235.5	24.0
40°-50°	4024.8	15.5
50°-60°	2012.7	7.7
60°-70°	1486.9	5.7
70°-80°	518.7	2.0
80°-90°	227.6	0.9
90°-100°	350.6	1.3
100°-110°	353.7	1.4
110°-120°	171.7	0.7
120°-130°	78.8	0.3
130°-140°	58.2	0.2
140°-150°	44.8	0.2
150°-160°	30.2	0.1
160°-170°	15.3	0.1
170°-180°	4.0	0.0
0°-30°	10418.4	40.0
0°-40°	16653.9	64.0
0°-60°	22691.4	87.2
0°-90°	24924.6	95.7
90°-120°	876.0	3.4
90°-150°	1057.8	4.1
90°-180°	1107.0	4.3
0°-180°	26031.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12747	
5°	12702	###
15°	12614	3567
25°	12241	5641
35°	10154	6235
45°	5162	4025
55°	1960	2013
65°	1520	1487
75°	470	519
85°	188	171
90°	222	125
95°	329	283
105°	340	354
115°	166	172
125°	84	79
135°	75	58
145°	71	45
155°	65	30
165°	53	15
175°	40	4
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12746.7
2.5°	12725.6
5°	12701.8
7.5°	12671.3
10°	12645.9
12.5°	12629.0
15°	12614.5
17.5°	12562.9
20°	12477.3
22.5°	12368.0
25°	12240.8
27.5°	12079.8
30°	11786.6
32.5°	11087.5
35°	10154.5
37.5°	9006.3
40°	7759.7
42.5°	6421.7
45°	5161.6
47.5°	4037.9
50°	3088.8
52.5°	2374.4
55°	1960.1
57.5°	2066.0
60°	2121.9
62.5°	1924.5
65°	1520.3
67.5°	1116.9
70°	811.0
72.5°	610.1
75°	469.5
77.5°	351.7
80°	264.4
82.5°	210.2
85°	188.1
87.5°	193.2
90°	222.0
92.5°	272.9
95°	328.8
97.5°	377.1
100°	393.2
102.5°	375.4
105°	339.8
107.5°	297.4
110°	251.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	206.8
115°	166.1
117.5°	133.9
120°	111.0
122.5°	94.9
125°	83.9
127.5°	78.0
130°	75.4
132.5°	75.4
135°	75.4
137.5°	75.4
140°	73.7
142.5°	72.0
145°	71.2
147.5°	70.3
150°	68.6
152.5°	66.9
155°	65.3
157.5°	63.6
160°	60.2
162.5°	56.8
165°	53.4
167.5°	49.1
170°	45.8
172.5°	42.4
175°	39.8
177.5°	38.1
180°	38.1

(END OF REPORT)