

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: P1505556

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505556
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-120)
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 (6500K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

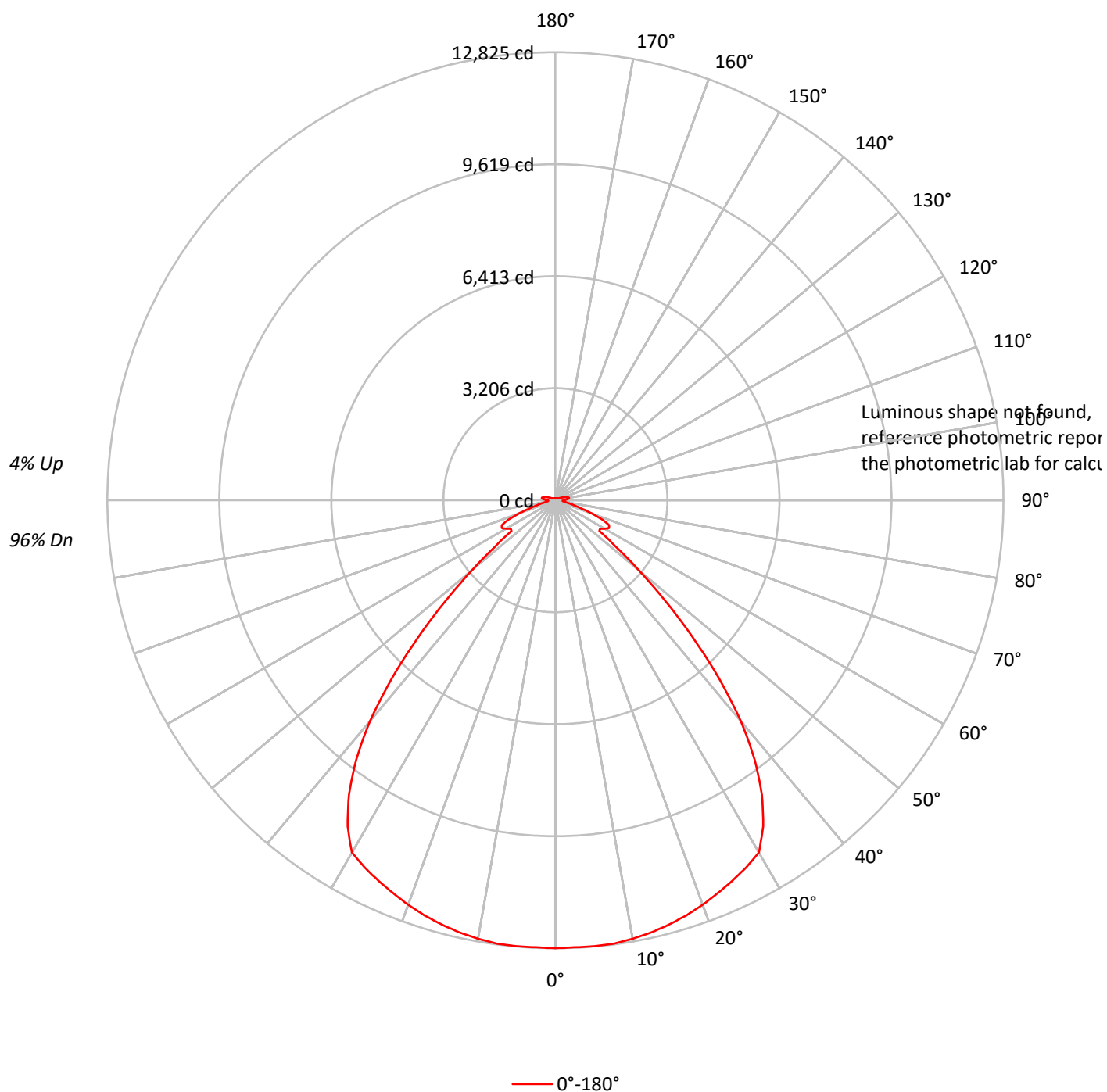
Lumens per Lamp: N/A
Luminaire Lumens: 26198.5 lumens
Efficiency: N/A
Efficacy: 163.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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	50	30	10
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98			96
1	110	106	103	100	107	104	100	98	99	96	94	94	92	90	90	88	87			85
2	102	95	90	85	99	93	88	84	89	85	81	85	82	79	82	79	77			75
3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68			66
4	88	78	71	65	86	76	70	64	74	68	63	71	66	62	68	64	61			59
5	82	71	63	58	80	70	63	57	67	61	56	65	60	55	63	58	54			52
6	76	65	57	52	74	64	57	51	62	55	50	60	54	50	58	53	49			47
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	53	48	44			43
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	41			39
9	63	51	43	38	61	50	43	38	49	42	38	47	42	37	46	41	37			35
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34			33

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1221.4	4.7
10°-20°	3554.2	13.6
20°-30°	5545.1	21.2
30°-40°	6350.6	24.2
40°-50°	4292.4	16.4
50°-60°	1689.9	6.5
60°-70°	1549.5	5.9
70°-80°	635.6	2.4
80°-90°	243.4	0.9
90°-100°	364.6	1.4
100°-110°	349.2	1.3
110°-120°	167.8	0.6
120°-130°	77.4	0.3
130°-140°	59.4	0.2
140°-150°	45.4	0.2
150°-160°	30.3	0.1
160°-170°	17.0	0.1
170°-180°	5.2	0.0
0°-30°	10320.7	39.4
0°-40°	16671.4	63.6
0°-60°	22653.7	86.5
0°-90°	25082.2	95.7
90°-120°	881.6	3.4
90°-150°	1063.8	4.1
90°-180°	1116.0	4.3
0°-180°	26198.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12825	
5°	12818	###
15°	12573	3554
25°	12006	5545
35°	10306	6351
45°	5562	4292
55°	1537	1690
65°	1695	1550
75°	544	636
85°	202	184
90°	231	131
95°	347	294
105°	333	349
115°	163	168
125°	82	77
135°	77	59
145°	72	45
155°	65	30
165°	59	17
175°	55	5
180°	55	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12824.7
2.5°	12809.5
5°	12817.9
7.5°	12803.5
10°	12745.1
12.5°	12672.2
15°	12573.0
17.5°	12460.3
20°	12323.0
22.5°	12164.6
25°	12006.1
27.5°	11842.6
30°	11645.1
32.5°	11068.0
35°	10306.2
37.5°	9372.4
40°	8263.1
42.5°	6945.4
45°	5562.4
47.5°	4266.7
50°	3100.7
52.5°	2171.1
55°	1537.2
57.5°	1515.2
60°	1630.4
62.5°	1729.6
65°	1694.8
67.5°	1460.1
70°	1115.2
72.5°	780.5
75°	544.0
77.5°	389.8
80°	286.4
82.5°	227.1
85°	202.5
87.5°	204.2
90°	231.3
92.5°	285.6
95°	347.4
97.5°	389.8
100°	398.3
102.5°	374.6
105°	333.0
107.5°	289.0
110°	244.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	201.7
115°	162.7
117.5°	132.2
120°	108.5
122.5°	92.4
125°	82.2
127.5°	77.1
130°	75.4
132.5°	75.4
135°	77.1
137.5°	78.0
140°	77.1
142.5°	74.6
145°	72.0
147.5°	69.5
150°	67.8
152.5°	66.1
155°	65.3
157.5°	64.4
160°	63.6
162.5°	61.9
165°	59.3
167.5°	57.6
170°	55.1
172.5°	53.4
175°	55.1
177.5°	55.1
180°	55.1

(END OF REPORT)