

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: P1505167

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505167
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-107)
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 (3500K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

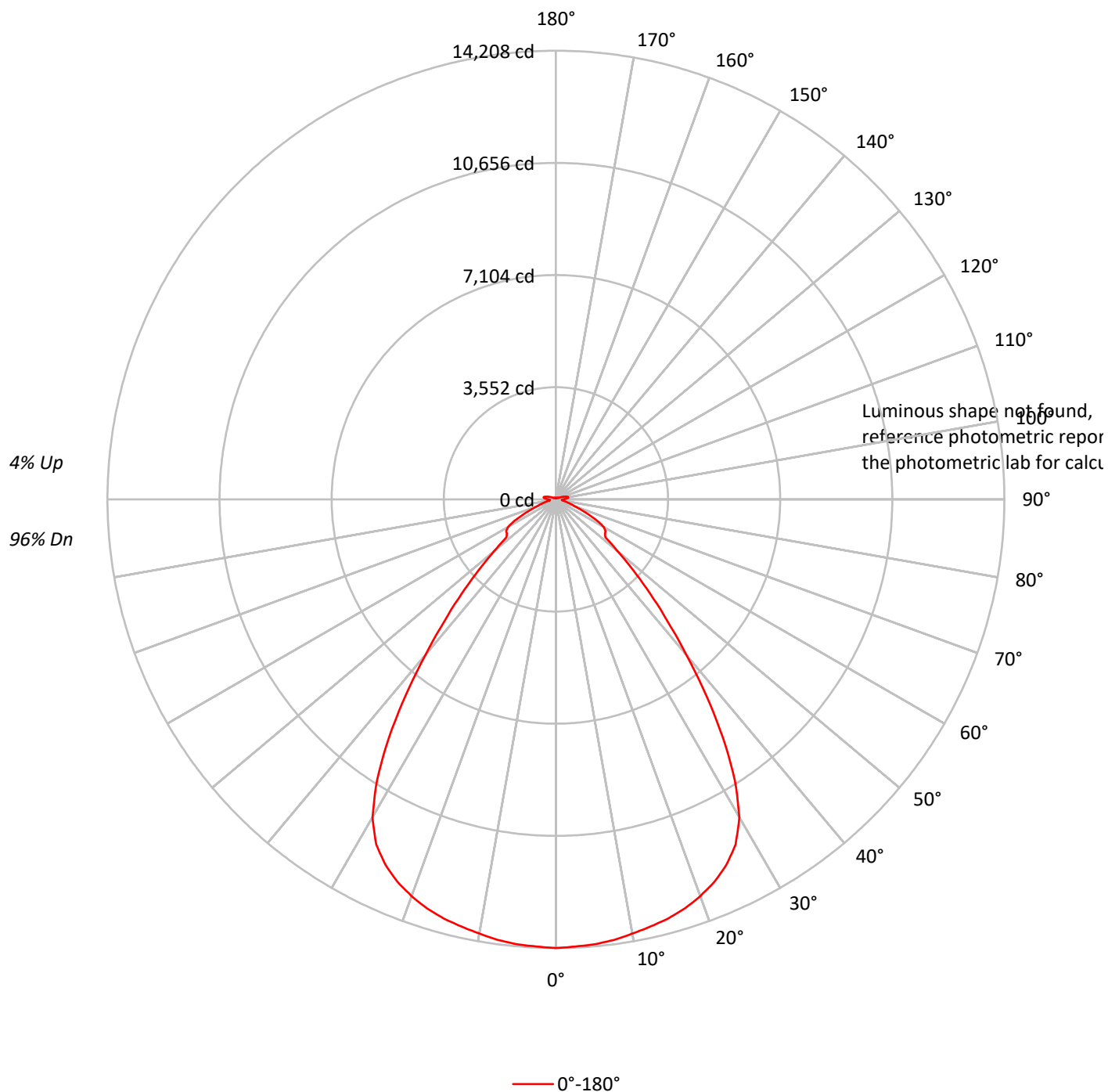
Lumens per Lamp: N/A
Luminaire Lumens: 24694.9 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.12
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 157.5
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



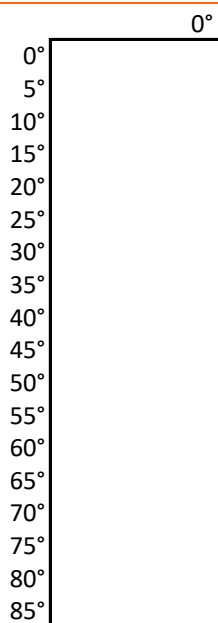
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98
1	110	107	103	101	107	104	101	98	99	97	95	95	93	91	90	89	88
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70
4	89	80	73	67	87	78	72	67	75	70	65	73	68	64	70	66	63
5	83	73	65	60	81	72	65	60	69	63	59	67	62	58	65	60	57
6	78	67	59	54	76	66	59	54	64	58	53	62	56	52	60	55	52
7	73	62	54	49	71	61	54	49	59	53	48	57	52	48	56	51	47
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43
9	65	53	46	41	63	52	46	41	51	45	40	50	44	40	48	43	40
10	61	49	42	38	60	49	42	38	48	42	37	46	41	37	45	40	37

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1344.2	5.4
10°-20°	3878.2	15.7
20°-30°	5844.7	23.7
30°-40°	5685.9	23.0
40°-50°	3293.7	13.3
50°-60°	1763.5	7.1
60°-70°	1156.5	4.7
70°-80°	427.8	1.7
80°-90°	221.0	0.9
90°-100°	364.3	1.5
100°-110°	346.6	1.4
110°-120°	160.3	0.6
120°-130°	71.0	0.3
130°-140°	52.0	0.2
140°-150°	40.3	0.2
150°-160°	27.4	0.1
160°-170°	13.9	0.1
170°-180°	3.8	0.0
0°-30°	11067.0	44.8
0°-40°	16752.9	67.8
0°-60°	21810.1	88.3
0°-90°	23615.4	95.6
90°-120°	871.2	3.5
90°-150°	1034.4	4.2
90°-180°	1080.0	4.4
0°-180°	24694.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14208	
5°	14142	###
15°	13739	3878
25°	12774	5845
35°	9232	5686
45°	4209	3294
55°	1896	1763
65°	1154	1157
75°	392	428
85°	184	162
90°	234	131
95°	345	293
105°	331	347
115°	155	160
125°	76	71
135°	67	52
145°	64	40
155°	60	27
165°	48	14
175°	38	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14208.2
2.5°	14171.7
5°	14141.8
7.5°	14071.2
10°	13962.4
12.5°	13852.8
15°	13739.1
17.5°	13583.8
20°	13368.7
22.5°	13112.9
25°	12774.1
27.5°	12323.2
30°	11620.7
32.5°	10555.3
35°	9231.6
37.5°	7810.0
40°	6422.4
42.5°	5223.3
45°	4209.3
47.5°	3305.0
50°	2547.7
52.5°	1973.9
55°	1895.8
57.5°	1866.8
60°	1748.0
62.5°	1484.8
65°	1154.3
67.5°	857.0
70°	640.2
72.5°	498.2
75°	392.0
77.5°	297.3
80°	231.7
82.5°	194.3
85°	184.4
87.5°	198.5
90°	234.2
92.5°	287.3
95°	344.6
97.5°	388.6
100°	397.8
102.5°	372.9
105°	331.3
107.5°	285.7
110°	238.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	193.5
115°	155.3
117.5°	123.7
120°	101.3
122.5°	85.5
125°	75.6
127.5°	69.8
130°	67.3
132.5°	67.3
135°	67.3
137.5°	67.3
140°	66.4
142.5°	64.8
145°	63.9
147.5°	63.1
150°	62.3
152.5°	60.6
155°	59.8
157.5°	57.3
160°	54.8
162.5°	51.5
165°	48.2
167.5°	44.8
170°	42.4
172.5°	39.9
175°	38.2
177.5°	36.5
180°	37.4

(END OF REPORT)