

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: P1505201

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (6500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505201
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-106)
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_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

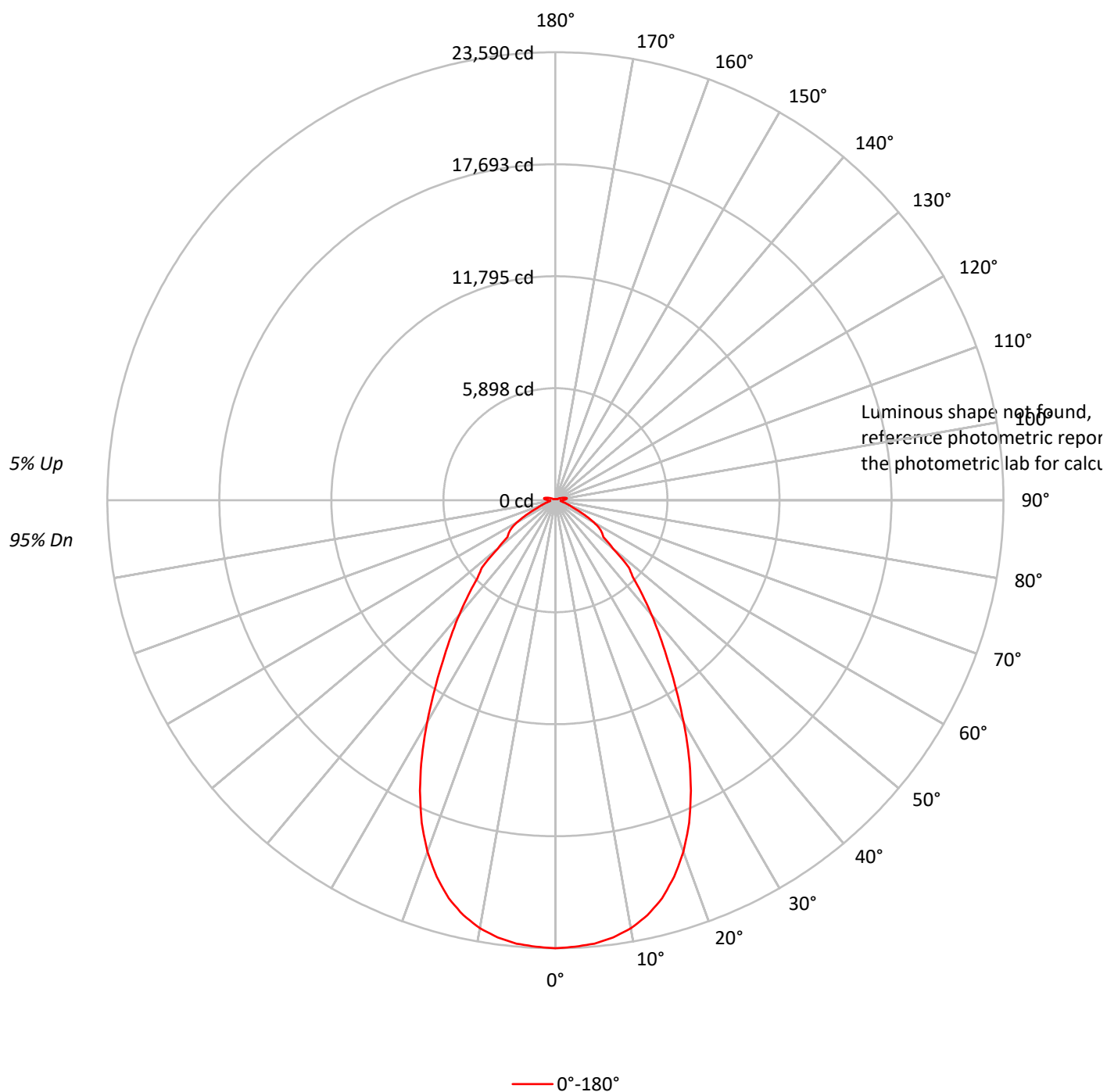
Lumens per Lamp: N/A
Luminaire Lumens: 33595.0 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 239.6
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



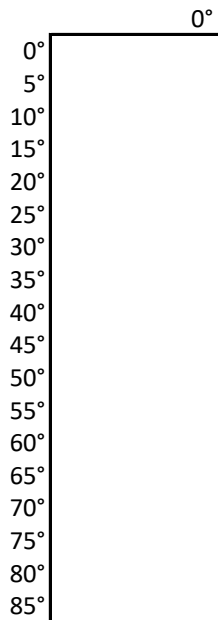
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10
RCR																				
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98			95
1	110	107	104	101	107	104	101	99	99	97	95	95	93	91	90	89	87			85
2	103	97	91	87	100	95	90	86	90	86	83	87	83	81	83	80	78			76
3	96	88	82	76	93	86	80	76	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	71	67	63			61
5	84	74	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57			56
6	79	68	60	55	77	67	60	55	64	58	54	63	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	51	46	56	50	45	54	49	45	53	48	44			43
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41			39
10	62	51	44	39	61	50	44	39	49	43	39	48	42	38	47	42	38			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°	2219.5	6.6
10°-20°	6059.2	18.0
20°-30°	7678.7	22.9
30°-40°	6503.1	19.4
40°-50°	4559.7	13.6
50°-60°	2697.9	8.0
60°-70°	1420.0	4.2
70°-80°	533.1	1.6
80°-90°	323.6	1.0
90°-100°	571.1	1.7
100°-110°	522.6	1.6
110°-120°	230.4	0.7
120°-130°	96.1	0.3
130°-140°	67.2	0.2
140°-150°	52.4	0.2
150°-160°	36.2	0.1
160°-170°	18.9	0.1
170°-180°	5.4	0.0
0°-30°	15957.4	47.5
0°-40°	22460.6	66.9
0°-60°	29718.2	88.5
0°-90°	31994.8	95.2
90°-120°	1324.0	3.9
90°-150°	1539.7	4.6
90°-180°	1600.0	4.8
0°-180°	33595.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23590	
5°	23440	###
15°	21697	6059
25°	16879	7679
35°	10316	6503
45°	5798	4560
55°	3005	2698
65°	1367	1420
75°	494	533
85°	272	231
90°	371	207
95°	544	457
105°	499	523
115°	221	230
125°	102	96
135°	87	67
145°	83	52
155°	78	36
165°	66	19
175°	55	5
180°	55	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23590.2
2.5°	23528.1
5°	23440.2
7.5°	23217.6
10°	22884.8
12.5°	22385.7
15°	21696.8
17.5°	20781.7
20°	19692.1
22.5°	18391.5
25°	16878.9
27.5°	15228.1
30°	13490.5
32.5°	11824.4
35°	10316.5
37.5°	9026.5
40°	7866.5
42.5°	6788.6
45°	5798.5
47.5°	5242.0
50°	3967.2
52.5°	3175.2
55°	3005.3
57.5°	2738.2
60°	2353.9
62.5°	1846.5
65°	1367.3
67.5°	993.6
70°	759.2
72.5°	612.8
75°	494.4
77.5°	383.1
80°	304.6
82.5°	268.3
85°	271.8
87.5°	308.1
90°	371.4
92.5°	458.1
95°	543.6
97.5°	602.2
100°	610.4
102.5°	565.9
105°	499.1
107.5°	426.5
110°	350.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	281.2
115°	221.4
117.5°	174.6
120°	141.8
122.5°	117.2
125°	101.9
127.5°	92.6
130°	87.9
132.5°	86.7
135°	86.7
137.5°	86.7
140°	85.5
142.5°	84.4
145°	83.2
147.5°	82.0
150°	82.0
152.5°	79.7
155°	78.5
157.5°	76.2
160°	73.8
162.5°	69.1
165°	65.6
167.5°	62.1
170°	58.6
172.5°	57.4
175°	55.1
177.5°	55.1
180°	55.1

(END OF REPORT)