

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: P1505536

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (4000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505536
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-119)
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 (4000K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

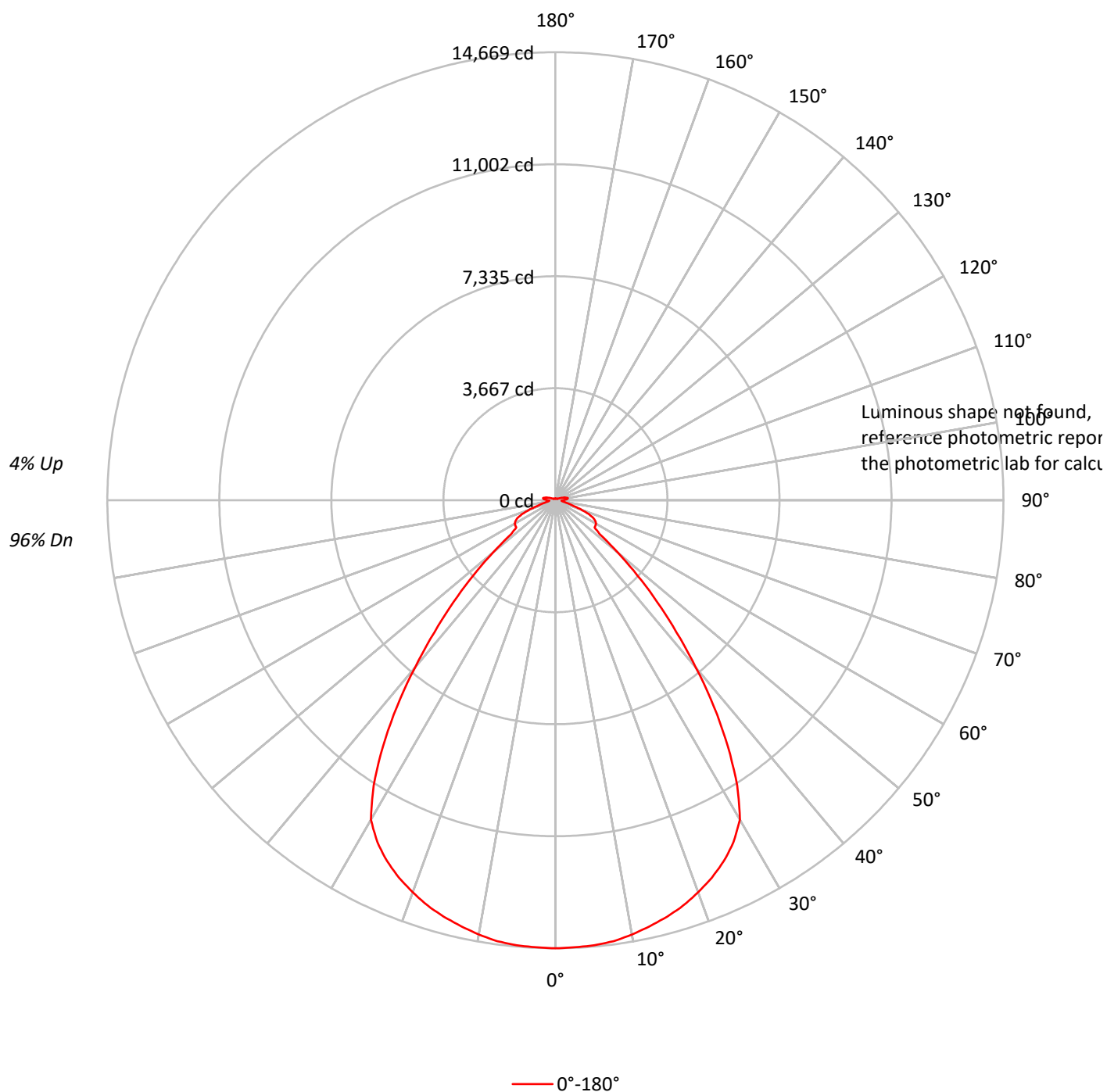
Lumens per Lamp: N/A
Luminaire Lumens: 25841.3 lumens
Efficiency: N/A
Efficacy: 166.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 155.7
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



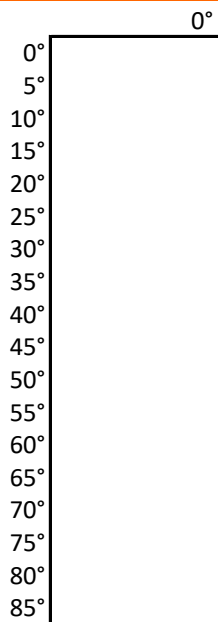
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	107	103	100	107	104	101	98	99	97	94	95	93	91	90	89	87			85
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78			76
3	96	87	81	76	93	85	80	75	82	77	73	79	75	71	76	73	70			67
4	89	79	72	67	87	78	71	66	75	69	65	72	68	64	70	66	62			60
5	83	73	65	60	81	71	64	59	69	63	58	67	61	57	64	60	56			55
6	78	67	59	54	76	66	59	53	63	57	53	62	56	52	60	55	51			49
7	73	61	54	49	71	60	53	49	59	52	48	57	51	47	55	51	47			45
8	68	57	50	45	67	56	49	44	54	48	44	53	47	43	52	47	43			41
9	64	53	46	41	63	52	45	41	51	45	40	49	44	40	48	43	39			38
10	61	49	42	38	59	48	42	37	47	41	37	46	41	37	45	40	36			35

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1390.5	5.4
10°-20°	3983.5	15.4
20°-30°	5986.5	23.2
30°-40°	6075.4	23.5
40°-50°	3655.9	14.1
50°-60°	1571.9	6.1
60°-70°	1291.3	5.0
70°-80°	530.4	2.1
80°-90°	240.1	0.9
90°-100°	384.9	1.5
100°-110°	350.0	1.4
110°-120°	162.7	0.6
120°-130°	72.3	0.3
130°-140°	54.5	0.2
140°-150°	41.9	0.2
150°-160°	28.4	0.1
160°-170°	16.1	0.1
170°-180°	4.8	0.0
0°-30°	11360.5	44.0
0°-40°	17435.9	67.5
0°-60°	22663.8	87.7
0°-90°	24725.7	95.7
90°-120°	897.6	3.5
90°-150°	1066.3	4.1
90°-180°	1116.0	4.3
0°-180°	25841.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14669	
5°	14627	###
15°	14117	3984
25°	13041	5987
35°	9851	6075
45°	4714	3656
55°	1563	1572
65°	1367	1291
75°	457	530
85°	200	177
90°	247	139
95°	369	309
105°	333	350
115°	157	163
125°	76	72
135°	70	54
145°	66	42
155°	61	28
165°	57	16
175°	51	5
180°	52	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14669.3
2.5°	14652.1
5°	14627.2
7.5°	14562.7
10°	14440.6
12.5°	14283.3
15°	14117.3
17.5°	13916.1
20°	13659.0
22.5°	13378.7
25°	13040.8
27.5°	12626.4
30°	12080.4
32.5°	11075.3
35°	9850.9
37.5°	8527.6
40°	7158.8
42.5°	5863.1
45°	4714.4
47.5°	3643.9
50°	2653.4
52.5°	1833.1
55°	1563.1
57.5°	1553.7
60°	1533.1
62.5°	1472.9
65°	1367.1
67.5°	1164.2
70°	897.6
72.5°	642.3
75°	457.4
77.5°	337.0
80°	258.8
82.5°	215.0
85°	200.3
87.5°	212.4
90°	246.8
92.5°	307.0
95°	368.9
97.5°	407.6
100°	410.1
102.5°	377.5
105°	332.7
107.5°	285.5
110°	239.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	196.9
115°	157.3
117.5°	126.4
120°	103.2
122.5°	86.8
125°	76.5
127.5°	71.4
130°	69.6
132.5°	69.6
135°	70.5
137.5°	71.4
140°	70.5
142.5°	68.8
145°	66.2
147.5°	64.5
150°	62.8
152.5°	61.9
155°	61.0
157.5°	61.0
160°	60.2
162.5°	58.5
165°	56.7
167.5°	54.2
170°	51.6
172.5°	49.9
175°	50.7
177.5°	51.6
180°	51.6

(END OF REPORT)