

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: P1505551

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (5000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505551
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: PentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (5000K_L36_Medium_120V)
Description: PentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

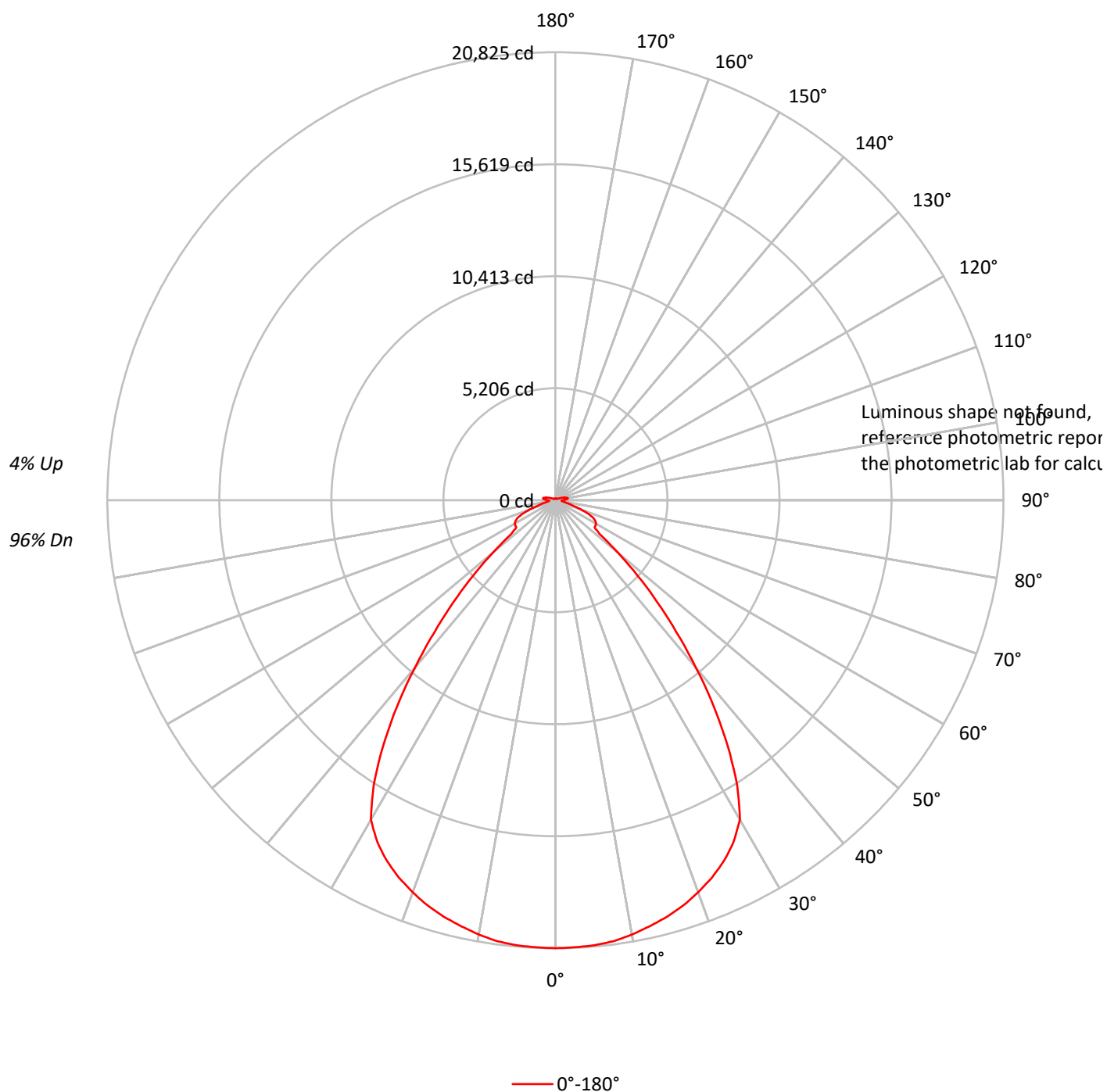
Lumens per Lamp: N/A
Luminaire Lumens: 36684.7 lumens
Efficiency: N/A
Efficacy: 157.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 233.3
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		
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°	1973.9	5.4
10°-20°	5655.0	15.4
20°-30°	8498.6	23.2
30°-40°	8624.8	23.5
40°-50°	5190.0	14.1
50°-60°	2231.5	6.1
60°-70°	1833.2	5.0
70°-80°	753.1	2.1
80°-90°	340.9	0.9
90°-100°	546.4	1.5
100°-110°	496.8	1.4
110°-120°	231.0	0.6
120°-130°	102.6	0.3
130°-140°	77.4	0.2
140°-150°	59.5	0.2
150°-160°	40.4	0.1
160°-170°	22.8	0.1
170°-180°	6.9	0.0
0°-30°	16127.6	44.0
0°-40°	24752.3	67.5
0°-60°	32173.9	87.7
0°-90°	35101.0	95.7
90°-120°	1274.2	3.5
90°-150°	1513.6	4.1
90°-180°	1584.0	4.3
0°-180°	36684.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20825	
5°	20765	###
15°	20041	5655
25°	18513	8499
35°	13984	8625
45°	6693	5190
55°	2219	2232
65°	1941	1833
75°	649	753
85°	284	252
90°	350	197
95°	524	439
105°	472	497
115°	223	231
125°	109	103
135°	100	77
145°	94	59
155°	87	40
165°	81	23
175°	72	7
180°	73	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20824.8
2.5°	20800.4
5°	20765.0
7.5°	20673.4
10°	20500.1
12.5°	20276.7
15°	20041.2
17.5°	19755.5
20°	19390.6
22.5°	18992.7
25°	18513.0
27.5°	17924.6
30°	17149.6
32.5°	15722.7
35°	13984.5
37.5°	12106.0
40°	10162.8
42.5°	8323.3
45°	6692.6
47.5°	5172.9
50°	3766.8
52.5°	2602.3
55°	2219.1
57.5°	2205.6
60°	2176.3
62.5°	2090.9
65°	1940.8
67.5°	1652.7
70°	1274.3
72.5°	911.8
75°	649.4
77.5°	478.5
80°	367.4
82.5°	305.2
85°	284.4
87.5°	301.5
90°	350.3
92.5°	435.8
95°	523.6
97.5°	578.6
100°	582.2
102.5°	535.8
105°	472.4
107.5°	405.2
110°	340.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	279.5
115°	223.4
117.5°	179.4
120°	146.5
122.5°	123.3
125°	108.6
127.5°	101.3
130°	98.9
132.5°	98.9
135°	100.1
137.5°	101.3
140°	100.1
142.5°	97.6
145°	94.0
147.5°	91.5
150°	89.1
152.5°	87.9
155°	86.7
157.5°	86.7
160°	85.4
162.5°	83.0
165°	80.6
167.5°	76.9
170°	73.2
172.5°	70.8
175°	72.0
177.5°	73.2
180°	73.2

(END OF REPORT)