

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: P1505554

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (6500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505554
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 (6500K_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

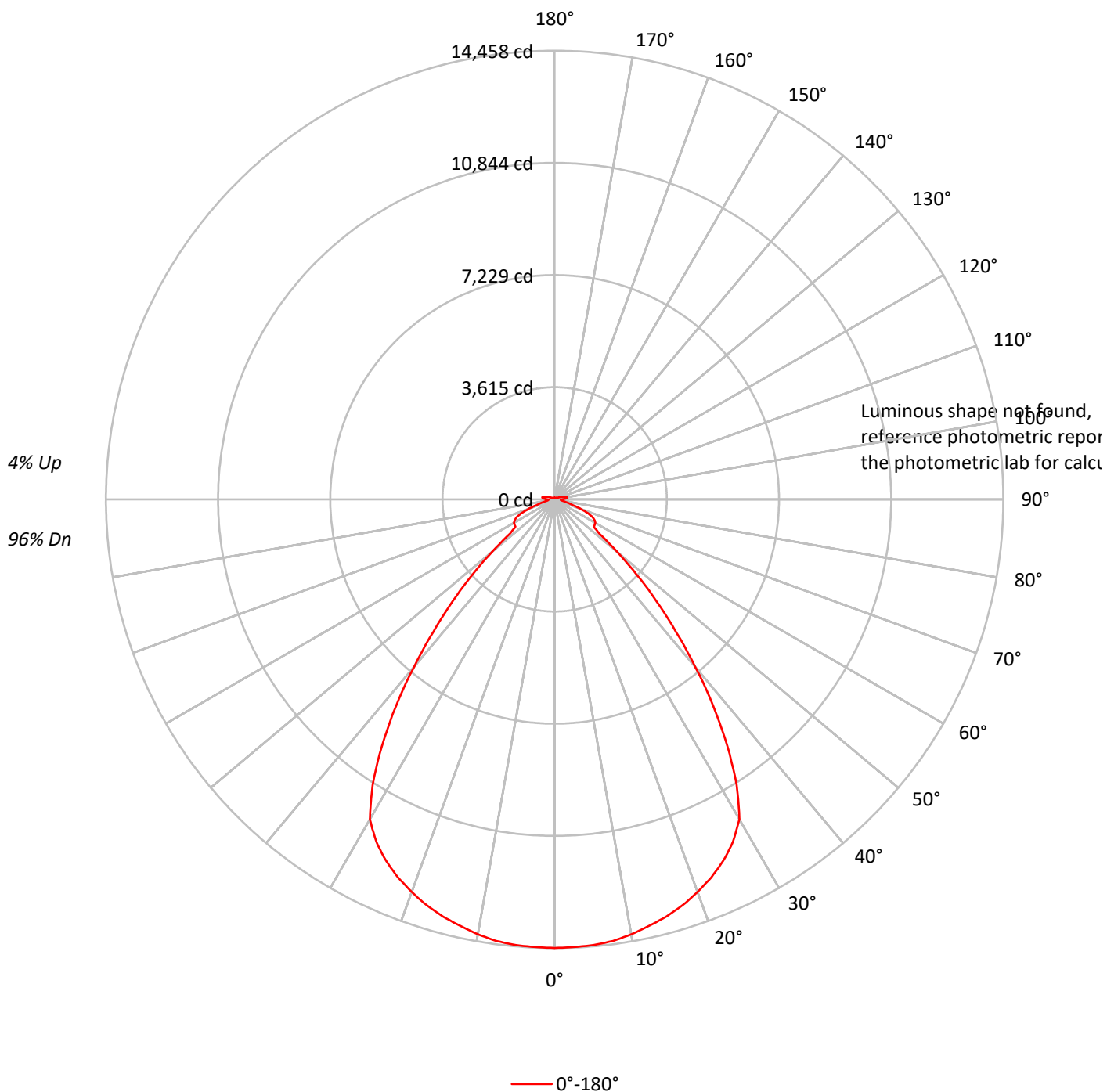
Lumens per Lamp: N/A
Luminaire Lumens: 25468.5 lumens
Efficiency: N/A
Efficacy: 159.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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	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°	1370.4	5.4
10°-20°	3926.0	15.4
20°-30°	5900.2	23.2
30°-40°	5987.8	23.5
40°-50°	3603.2	14.1
50°-60°	1549.3	6.1
60°-70°	1272.7	5.0
70°-80°	522.8	2.1
80°-90°	236.7	0.9
90°-100°	379.3	1.5
100°-110°	344.9	1.4
110°-120°	160.4	0.6
120°-130°	71.2	0.3
130°-140°	53.7	0.2
140°-150°	41.3	0.2
150°-160°	28.0	0.1
160°-170°	15.9	0.1
170°-180°	4.8	0.0
0°-30°	11196.6	44.0
0°-40°	17184.4	67.5
0°-60°	22336.8	87.7
0°-90°	24369.0	95.7
90°-120°	884.6	3.5
90°-150°	1050.8	4.1
90°-180°	1099.0	4.3
0°-180°	25468.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14458	
5°	14416	###
15°	13914	3926
25°	12853	5900
35°	9709	5988
45°	4646	3603
55°	1541	1549
65°	1347	1273
75°	451	523
85°	197	175
90°	243	137
95°	364	305
105°	328	345
115°	155	160
125°	75	71
135°	70	54
145°	65	41
155°	60	28
165°	56	16
175°	50	5
180°	51	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14457.7
2.5°	14440.7
5°	14416.1
7.5°	14352.6
10°	14232.3
12.5°	14077.2
15°	13913.6
17.5°	13715.3
20°	13462.0
22.5°	13185.7
25°	12852.7
27.5°	12444.2
30°	11906.1
32.5°	10915.5
35°	9708.8
37.5°	8404.6
40°	7055.5
42.5°	5778.5
45°	4646.4
47.5°	3591.3
50°	2615.1
52.5°	1806.7
55°	1540.6
57.5°	1531.3
60°	1510.9
62.5°	1451.6
65°	1347.4
67.5°	1147.4
70°	884.7
72.5°	633.0
75°	450.8
77.5°	332.2
80°	255.1
82.5°	211.9
85°	197.4
87.5°	209.3
90°	243.2
92.5°	302.5
95°	363.5
97.5°	401.7
100°	404.2
102.5°	372.0
105°	327.9
107.5°	281.3
110°	236.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	194.1
115°	155.1
117.5°	124.6
120°	101.7
122.5°	85.6
125°	75.4
127.5°	70.3
130°	68.6
132.5°	68.6
135°	69.5
137.5°	70.3
140°	69.5
142.5°	67.8
145°	65.3
147.5°	63.6
150°	61.9
152.5°	61.0
155°	60.2
157.5°	60.2
160°	59.3
162.5°	57.6
165°	55.9
167.5°	53.4
170°	50.8
172.5°	49.1
175°	50.0
177.5°	50.8
180°	50.8

(END OF REPORT)