

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: P1505230

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (5000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505230
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-113)
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-TRWH-PS (5000K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

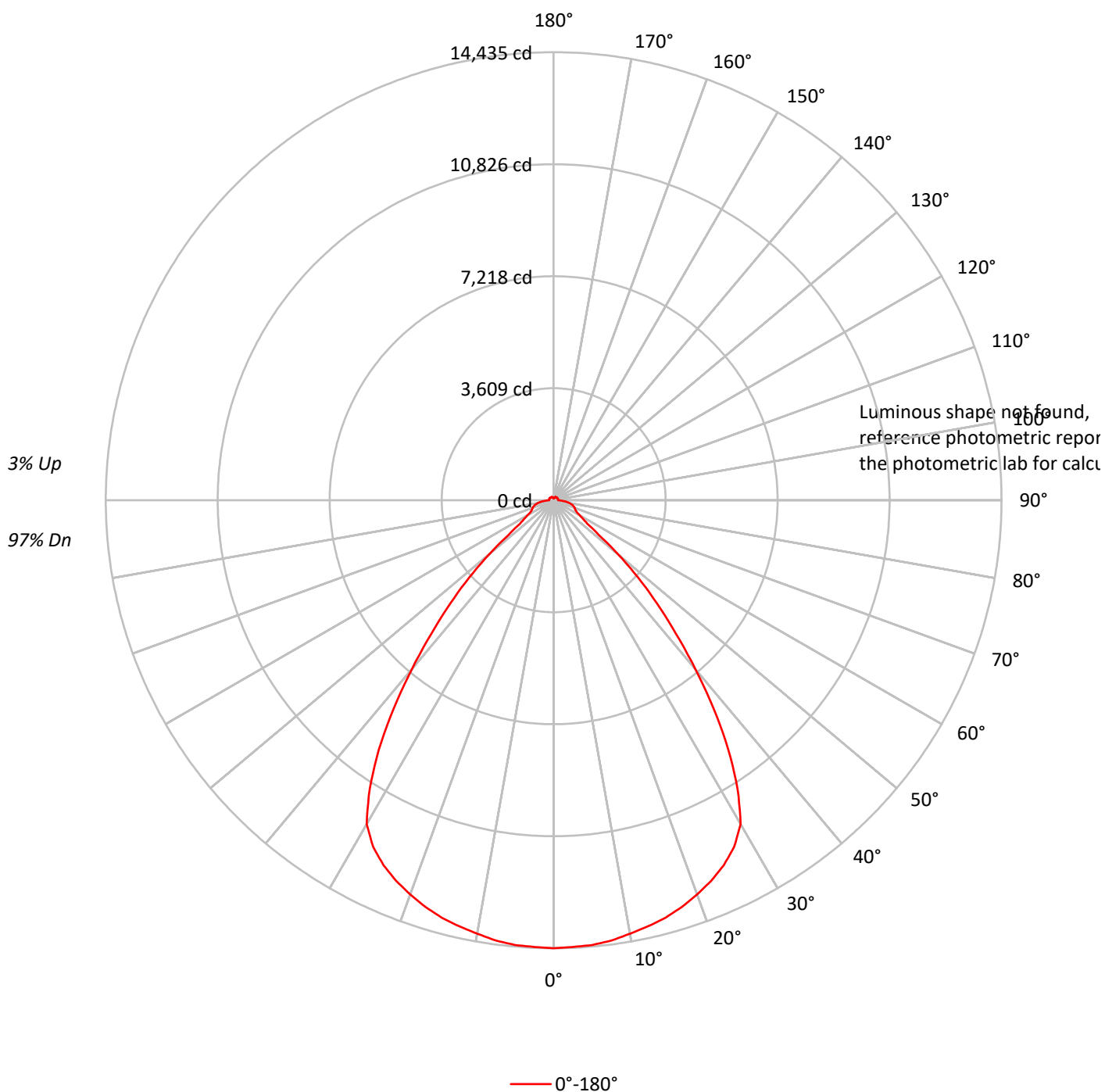
Lumens per Lamp: N/A
Luminaire Lumens: 24976.9 lumens
Efficiency: N/A
Efficacy: 159.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 156.4
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



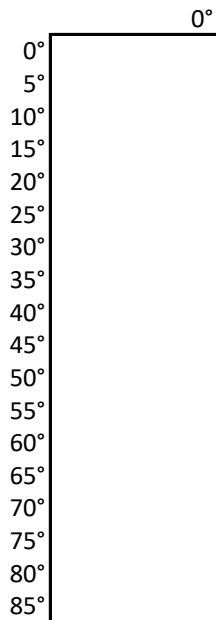
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	104	104	104	99	99	99	97		
1	110	107	103	100	108	104	101	98	99	97	95	95	93	91	91	90	88	86		
2	103	97	91	87	100	94	90	86	91	87	83	87	84	81	84	81	79	77		
3	96	88	81	76	94	86	80	75	83	78	74	80	76	72	77	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	57	56		
6	78	67	60	55	76	66	59	54	64	58	54	62	57	53	61	56	52	50		
7	74	62	55	50	72	61	54	49	60	53	49	58	52	48	56	52	48	46		
8	69	58	50	45	67	57	50	45	55	49	45	54	48	44	53	48	44	42		
9	65	53	46	42	64	53	46	41	51	45	41	50	45	41	49	44	40	39		
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1366.3	5.5
10°-20°	3928.7	15.7
20°-30°	5953.8	23.8
30°-40°	6051.2	24.2
40°-50°	3661.8	14.7
50°-60°	1360.4	5.4
60°-70°	800.2	3.2
70°-80°	667.9	2.7
80°-90°	360.6	1.4
90°-100°	155.6	0.6
100°-110°	153.0	0.6
110°-120°	141.0	0.6
120°-130°	121.6	0.5
130°-140°	99.7	0.4
140°-150°	77.5	0.3
150°-160°	49.8	0.2
160°-170°	22.3	0.1
170°-180°	5.6	0.0
0°-30°	11248.8	45.0
0°-40°	17300.0	69.3
0°-60°	22322.2	89.4
0°-90°	24150.9	96.7
90°-120°	449.6	1.8
90°-150°	748.4	3.0
90°-180°	826.0	3.3
0°-180°	24976.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14435	
5°	14382	###
15°	13926	3929
25°	12972	5954
35°	9822	6051
45°	4711	3662
55°	1324	1360
65°	785	800
75°	640	668
85°	334	309
90°	142	91
95°	142	117
105°	145	153
115°	142	141
125°	136	122
135°	128	100
145°	123	77
155°	107	50
165°	76	22
175°	55	6
180°	53	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14435.3
2.5°	14406.6
5°	14382.3
7.5°	14305.0
10°	14179.1
12.5°	14060.9
15°	13925.5
17.5°	13738.7
20°	13514.7
22.5°	13269.7
25°	12971.9
27.5°	12593.2
30°	12050.4
32.5°	11039.4
35°	9821.8
37.5°	8481.7
40°	7106.0
42.5°	5831.9
45°	4710.7
47.5°	3698.1
50°	2713.2
52.5°	1834.3
55°	1324.5
57.5°	1127.3
60°	969.2
62.5°	847.7
65°	785.1
67.5°	750.4
70°	725.2
72.5°	689.6
75°	640.1
77.5°	581.0
80°	510.7
82.5°	428.2
85°	334.4
87.5°	234.5
90°	142.4
92.5°	141.6
95°	142.4
97.5°	143.3
100°	144.2
102.5°	145.0
105°	145.0
107.5°	144.2
110°	144.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	143.3
115°	142.4
117.5°	140.7
120°	139.0
122.5°	137.2
125°	135.5
127.5°	133.7
130°	132.0
132.5°	130.3
135°	128.5
137.5°	126.8
140°	125.9
142.5°	124.2
145°	123.3
147.5°	122.5
150°	119.9
152.5°	113.8
155°	106.8
157.5°	99.9
160°	92.9
162.5°	84.2
165°	76.4
167.5°	70.3
170°	64.3
172.5°	59.1
175°	54.7
177.5°	53.0
180°	53.0

(END OF REPORT)