

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: P1505569

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505569
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-125)
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-TRWH-PS (3000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

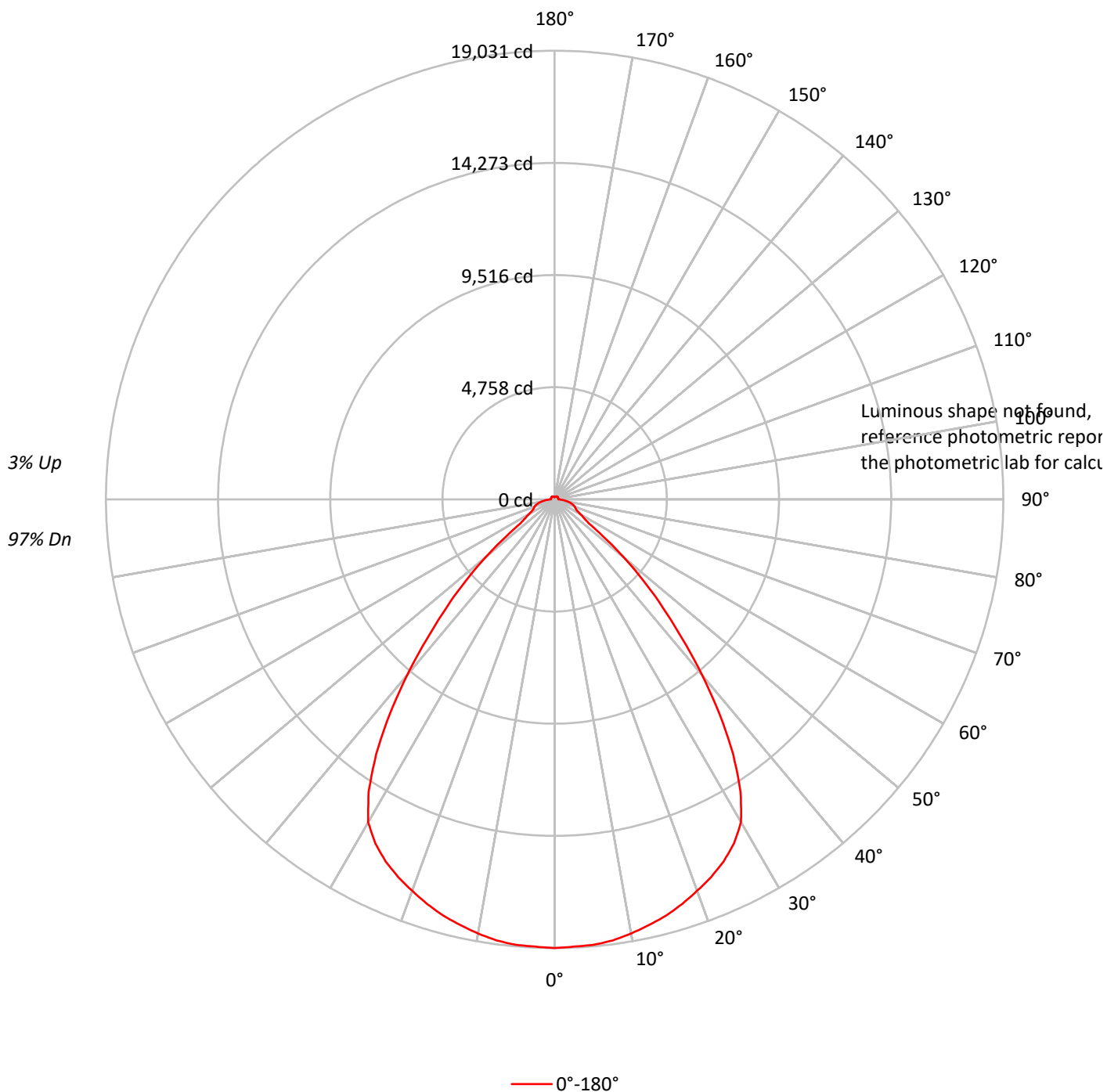
Lumens per Lamp: N/A
Luminaire Lumens: 32948.6 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.16
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 237.6
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





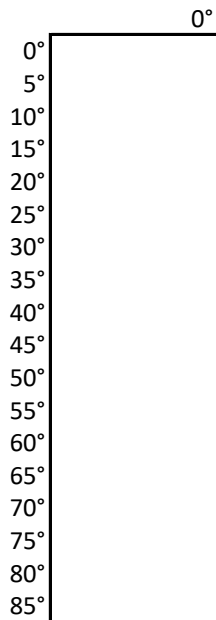
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	104	102	99	100	97	95	96	94	92	92	90	89	87		
2	103	97	92	87	101	95	90	86	91	87	84	87	84	81	84	81	79	77		
3	96	88	82	76	94	86	80	76	83	78	74	80	76	72	77	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	63	59	66	61	58	56		
6	79	67	60	55	77	66	59	54	64	58	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	58	50	45	68	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°	1801.8	5.5
10°-20°	5154.6	15.6
20°-30°	7784.7	23.6
30°-40°	8110.5	24.6
40°-50°	5045.0	15.3
50°-60°	1861.9	5.7
60°-70°	1026.0	3.1
70°-80°	807.2	2.5
80°-90°	400.2	1.2
90°-100°	170.8	0.5
100°-110°	170.3	0.5
110°-120°	160.5	0.5
120°-130°	141.5	0.4
130°-140°	117.9	0.4
140°-150°	92.6	0.3
150°-160°	62.5	0.2
160°-170°	31.6	0.1
170°-180°	9.0	0.0
0°-30°	14741.1	44.7
0°-40°	22851.6	69.4
0°-60°	29758.4	90.3
0°-90°	31991.9	97.1
90°-120°	501.5	1.5
90°-150°	853.6	2.6
90°-180°	957.0	2.9
0°-180°	32948.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19031	
5°	18966	###
15°	18276	5155
25°	16948	7785
35°	13191	8111
45°	6489	5045
55°	1760	1862
65°	1003	1026
75°	774	807
85°	364	343
90°	161	100
95°	155	128
105°	161	170
115°	162	160
125°	158	142
135°	152	118
145°	148	93
155°	135	62
165°	110	32
175°	93	9
180°	93	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19031.4
2.5°	18987.1
5°	18965.6
7.5°	18870.3
10°	18697.8
12.5°	18495.9
15°	18275.8
17.5°	17989.9
20°	17667.7
22.5°	17342.1
25°	16948.4
27.5°	16457.2
30°	15810.5
32.5°	14673.7
35°	13190.9
37.5°	11494.8
40°	9721.6
42.5°	7996.0
45°	6489.4
47.5°	5114.4
50°	3831.2
52.5°	2609.4
55°	1759.6
57.5°	1476.0
60°	1269.5
62.5°	1100.5
65°	1002.9
67.5°	951.9
70°	906.5
72.5°	849.7
75°	773.7
77.5°	686.4
80°	587.7
82.5°	477.6
85°	364.2
87.5°	253.0
90°	161.1
92.5°	153.2
95°	155.4
97.5°	157.7
100°	158.8
102.5°	160.0
105°	161.1
107.5°	162.2
110°	162.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	162.2
115°	162.2
117.5°	161.1
120°	160.0
122.5°	158.8
125°	157.7
127.5°	156.6
130°	155.4
132.5°	153.2
135°	152.0
137.5°	150.9
140°	149.8
142.5°	148.6
145°	147.5
147.5°	146.4
150°	144.1
152.5°	139.5
155°	135.0
157.5°	129.3
160°	123.7
162.5°	116.9
165°	110.0
167.5°	103.2
170°	97.6
172.5°	94.2
175°	93.0
177.5°	93.0
180°	93.0

(END OF REPORT)