

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: P1505209

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505209
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 (3000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

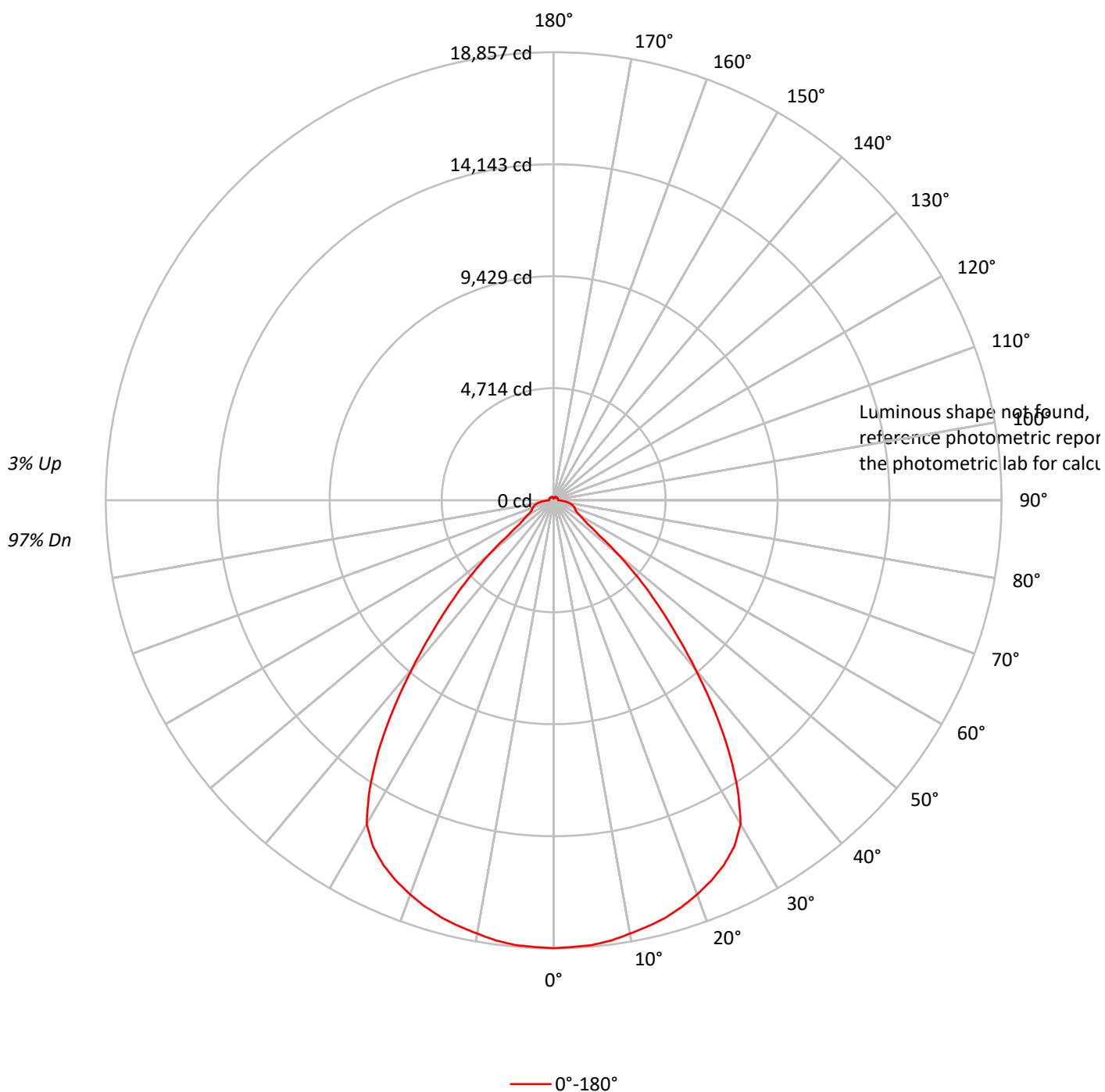
Lumens per Lamp: N/A
Luminaire Lumens: 32627.2 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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





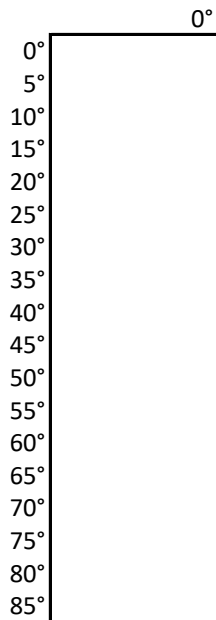
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	1784.8	5.5
10°-20°	5132.1	15.7
20°-30°	7777.3	23.8
30°-40°	7904.7	24.2
40°-50°	4783.4	14.7
50°-60°	1777.0	5.4
60°-70°	1045.3	3.2
70°-80°	872.5	2.7
80°-90°	471.0	1.4
90°-100°	203.3	0.6
100°-110°	199.8	0.6
110°-120°	184.2	0.6
120°-130°	158.9	0.5
130°-140°	130.2	0.4
140°-150°	101.2	0.3
150°-160°	65.0	0.2
160°-170°	29.2	0.1
170°-180°	7.3	0.0
0°-30°	14694.2	45.0
0°-40°	22598.9	69.3
0°-60°	29159.3	89.4
0°-90°	31548.1	96.7
90°-120°	587.3	1.8
90°-150°	977.6	3.0
90°-180°	1079.0	3.3
0°-180°	32627.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18857	
5°	18788	###
15°	18191	5132
25°	16945	7777
35°	12830	7905
45°	6154	4783
55°	1730	1777
65°	1026	1045
75°	836	873
85°	437	403
90°	186	118
95°	186	152
105°	190	200
115°	186	184
125°	177	159
135°	168	130
145°	161	101
155°	140	65
165°	100	29
175°	72	7
180°	69	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18856.7
2.5°	18819.2
5°	18787.5
7.5°	18686.5
10°	18522.0
12.5°	18367.7
15°	18190.7
17.5°	17946.8
20°	17654.1
22.5°	17334.2
25°	16945.0
27.5°	16450.4
30°	15741.3
32.5°	14420.7
35°	12830.2
37.5°	11079.6
40°	9282.6
42.5°	7618.2
45°	6153.6
47.5°	4830.7
50°	3544.2
52.5°	2396.1
55°	1730.1
57.5°	1472.6
60°	1266.1
62.5°	1107.3
65°	1025.6
67.5°	980.2
70°	947.3
72.5°	900.8
75°	836.1
77.5°	759.0
80°	667.1
82.5°	559.3
85°	436.8
87.5°	306.3
90°	186.1
92.5°	184.9
95°	186.1
97.5°	187.2
100°	188.3
102.5°	189.5
105°	189.5
107.5°	188.3
110°	188.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	187.2
115°	186.1
117.5°	183.8
120°	181.5
122.5°	179.3
125°	177.0
127.5°	174.7
130°	172.4
132.5°	170.2
135°	167.9
137.5°	165.6
140°	164.5
142.5°	162.2
145°	161.1
147.5°	160.0
150°	156.6
152.5°	148.6
155°	139.5
157.5°	130.5
160°	121.4
162.5°	110.0
165°	99.8
167.5°	91.9
170°	84.0
172.5°	77.1
175°	71.5
177.5°	69.2
180°	69.2

(END OF REPORT)