

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: P1505426

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (6500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505426
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-100)
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-04-TRWH-PS (6500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

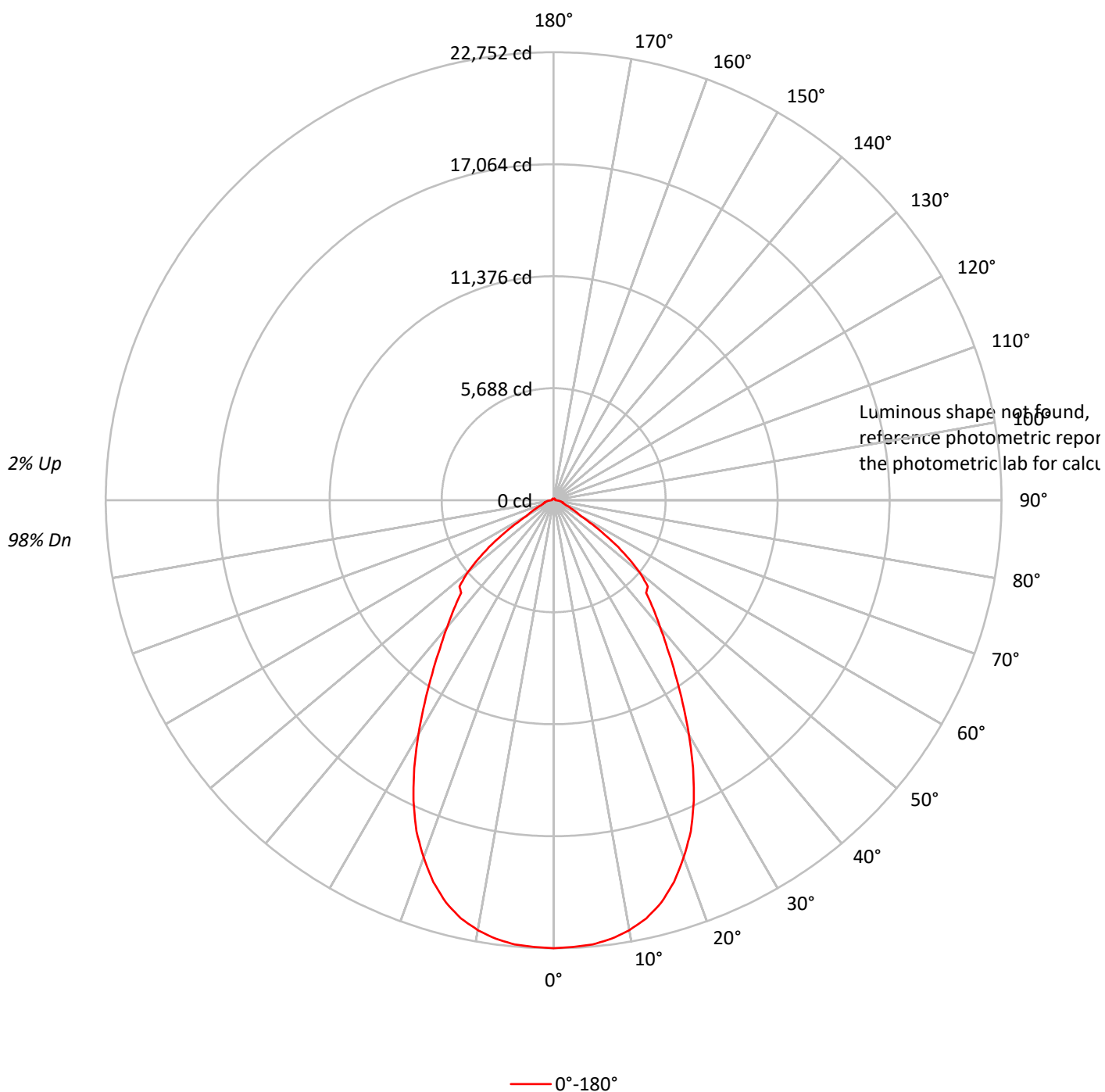
Lumens per Lamp: N/A
Luminaire Lumens: 33330.8 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 239.6
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





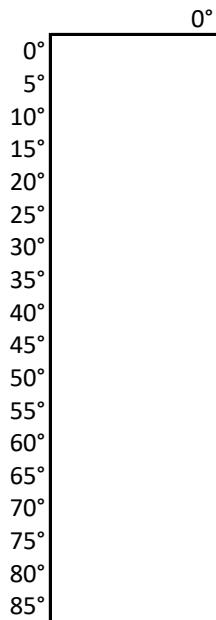
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	98		
1	111	108	105	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	69	88	80	73	68	77	71	67	75	70	66	73	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	64	60	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	57	54	52		
7	74	63	56	50	73	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	58	51	46	56	50	46	55	49	45	54	49	45	43		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2146.3	6.4
10°-20°	5908.7	17.7
20°-30°	7663.5	23.0
30°-40°	6768.4	20.3
40°-50°	5330.4	16.0
50°-60°	3203.8	9.6
60°-70°	1004.9	3.0
70°-80°	511.5	1.5
80°-90°	254.8	0.8
90°-100°	92.2	0.3
100°-110°	93.3	0.3
110°-120°	87.9	0.3
120°-130°	78.2	0.2
130°-140°	66.6	0.2
140°-150°	55.1	0.2
150°-160°	38.5	0.1
160°-170°	20.5	0.1
170°-180°	6.2	0.0
0°-30°	15718.4	47.2
0°-40°	22486.8	67.5
0°-60°	31021.0	93.1
0°-90°	32792.2	98.4
90°-120°	273.4	0.8
90°-150°	473.3	1.4
90°-180°	539.0	1.6
0°-180°	33330.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22752	
5°	22646	###
15°	21148	5909
25°	16843	7663
35°	10760	6768
45°	6641	5330
55°	3629	3204
65°	981	1005
75°	482	512
85°	234	222
90°	83	55
95°	84	69
105°	88	93
115°	89	88
125°	87	78
135°	86	67
145°	88	55
155°	82	38
165°	72	21
175°	66	6
180°	66	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22752.4
2.5°	22706.7
5°	22645.8
7.5°	22465.4
10°	22167.8
12.5°	21750.7
15°	21148.4
17.5°	20322.4
20°	19307.8
22.5°	18200.5
25°	16842.6
27.5°	15328.8
30°	13722.5
32.5°	12195.8
35°	10760.5
37.5°	9490.4
40°	8412.5
42.5°	7485.7
45°	6641.0
47.5°	6484.0
50°	5695.4
52.5°	4686.6
55°	3628.6
57.5°	2486.3
60°	1592.3
62.5°	1263.0
65°	980.7
67.5°	739.3
70°	592.9
72.5°	523.7
75°	481.6
77.5°	442.9
80°	384.3
82.5°	312.8
85°	234.3
87.5°	154.7
90°	83.2
92.5°	83.2
95°	84.4
97.5°	85.5
100°	86.7
102.5°	87.9
105°	87.9
107.5°	89.0
110°	89.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	89.0
115°	89.0
117.5°	87.9
120°	87.9
122.5°	87.9
125°	86.7
127.5°	86.7
130°	86.7
132.5°	86.7
135°	85.5
137.5°	85.5
140°	85.5
142.5°	86.7
145°	87.9
147.5°	89.0
150°	90.2
152.5°	85.5
155°	82.0
157.5°	79.7
160°	77.3
162.5°	75.0
165°	71.5
167.5°	69.1
170°	66.8
172.5°	64.4
175°	65.6
177.5°	65.6
180°	65.6

(END OF REPORT)