

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: P1505019

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (6500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505019
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-84)
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-04-CLER-PS (6500K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

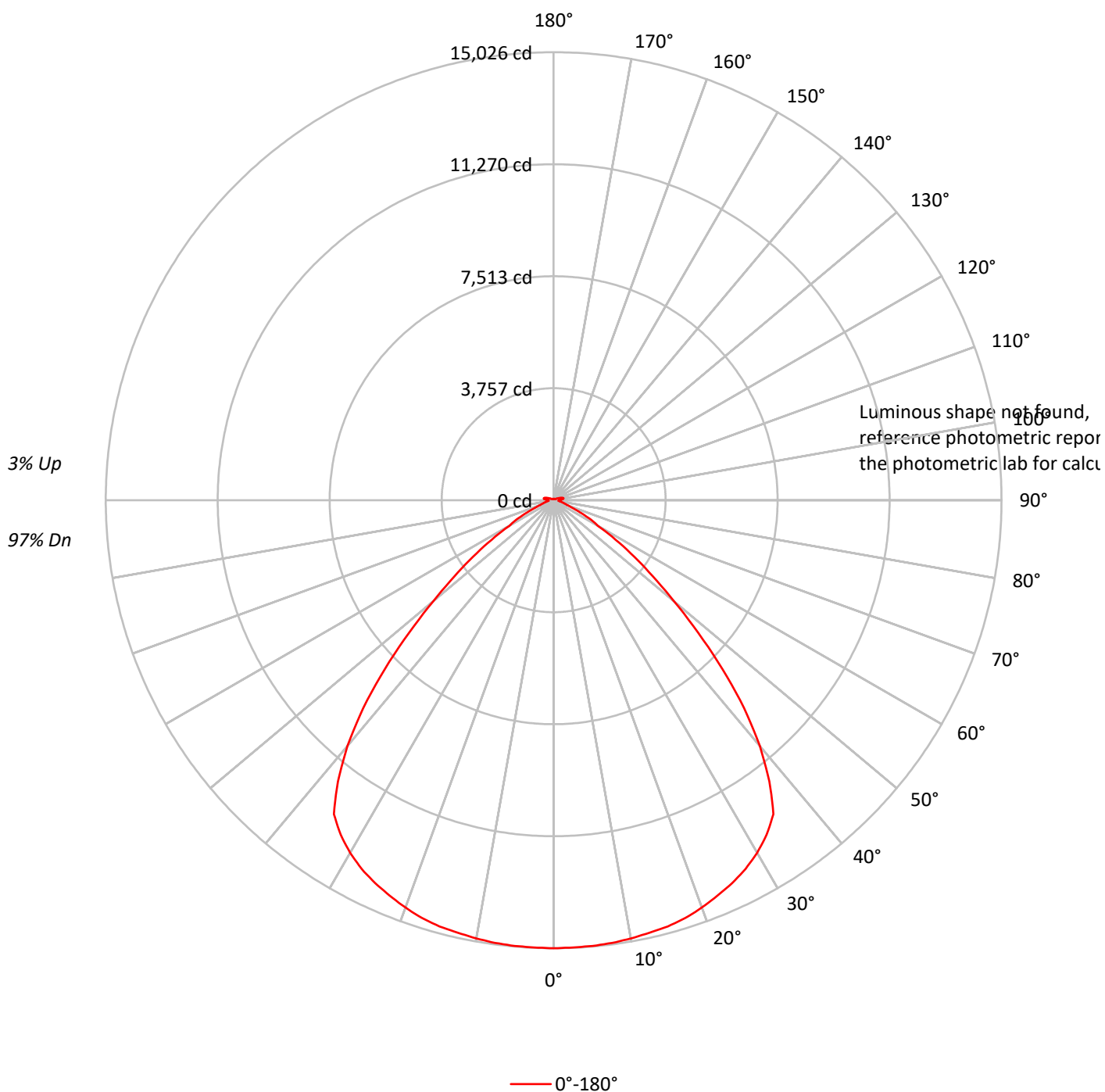
Lumens per Lamp: N/A
Luminaire Lumens: 31685.7 lumens
Efficiency: N/A
Efficacy: 158.3 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 200.1
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	105	102	99	100	98	95	96	94	92	92	90	89	87		
2	103	97	91	87	100	94	90	85	91	87	83	87	84	81	84	81	79	77		
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	76	73	70	68		
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	66	62	60		
5	83	72	64	58	80	70	63	58	68	62	57	66	61	56	64	59	56	54		
6	77	65	58	52	75	64	57	52	62	56	51	60	55	51	59	54	50	48		
7	72	60	52	47	70	59	52	47	57	51	46	56	50	46	54	49	45	43		
8	67	55	47	42	65	54	47	42	53	46	42	51	46	41	50	45	41	39		
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37	36		
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1429.7	4.5
10°-20°	4181.4	13.2
20°-30°	6534.4	20.6
30°-40°	7856.3	24.8
40°-50°	6145.8	19.4
50°-60°	2986.3	9.4
60°-70°	1046.4	3.3
70°-80°	358.6	1.1
80°-90°	192.1	0.6
90°-100°	295.7	0.9
100°-110°	316.7	1.0
110°-120°	154.7	0.5
120°-130°	63.5	0.2
130°-140°	44.3	0.1
140°-150°	37.0	0.1
150°-160°	26.0	0.1
160°-170°	13.2	0.0
170°-180°	3.5	0.0
0°-30°	12145.6	38.3
0°-40°	20001.9	63.1
0°-60°	29134.0	91.9
0°-90°	30731.1	97.0
90°-120°	767.1	2.4
90°-150°	911.9	2.9
90°-180°	955.0	3.0
0°-180°	31685.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15026	
5°	15004	###
15°	14796	4181
25°	14170	6534
35°	12852	7856
45°	8017	6146
55°	3302	2986
65°	1034	1046
75°	330	359
85°	160	145
90°	182	103
95°	277	239
105°	308	317
115°	151	155
125°	67	64
135°	57	44
145°	59	37
155°	56	26
165°	46	13
175°	36	4
180°	34	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15025.6
2.5°	15011.3
5°	15004.2
7.5°	14976.7
10°	14924.7
12.5°	14856.4
15°	14796.2
17.5°	14693.3
20°	14539.3
22.5°	14359.9
25°	14170.3
27.5°	13942.9
30°	13655.5
32.5°	13302.7
35°	12852.1
37.5°	11886.7
40°	10756.2
42.5°	9453.3
45°	8016.9
47.5°	6570.3
50°	5260.3
52.5°	4190.9
55°	3302.0
57.5°	2465.0
60°	1720.8
62.5°	1402.8
65°	1033.7
67.5°	703.4
70°	498.5
72.5°	394.5
75°	330.3
77.5°	275.2
80°	221.2
82.5°	181.5
85°	160.1
87.5°	161.1
90°	182.5
92.5°	227.3
95°	277.3
97.5°	319.1
100°	339.5
102.5°	332.3
105°	307.9
107.5°	271.2
110°	229.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	187.6
115°	150.9
117.5°	119.3
120°	94.8
122.5°	78.5
125°	67.3
127.5°	60.1
130°	57.1
132.5°	56.1
135°	57.1
137.5°	58.1
140°	58.1
142.5°	59.1
145°	59.1
147.5°	59.1
150°	59.1
152.5°	58.1
155°	56.1
157.5°	54.0
160°	52.0
162.5°	48.9
165°	45.9
167.5°	42.8
170°	39.8
172.5°	37.7
175°	35.7
177.5°	34.7
180°	33.6

(END OF REPORT)