

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: P1505522

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505522
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-118)
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-CLER-PS (3000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

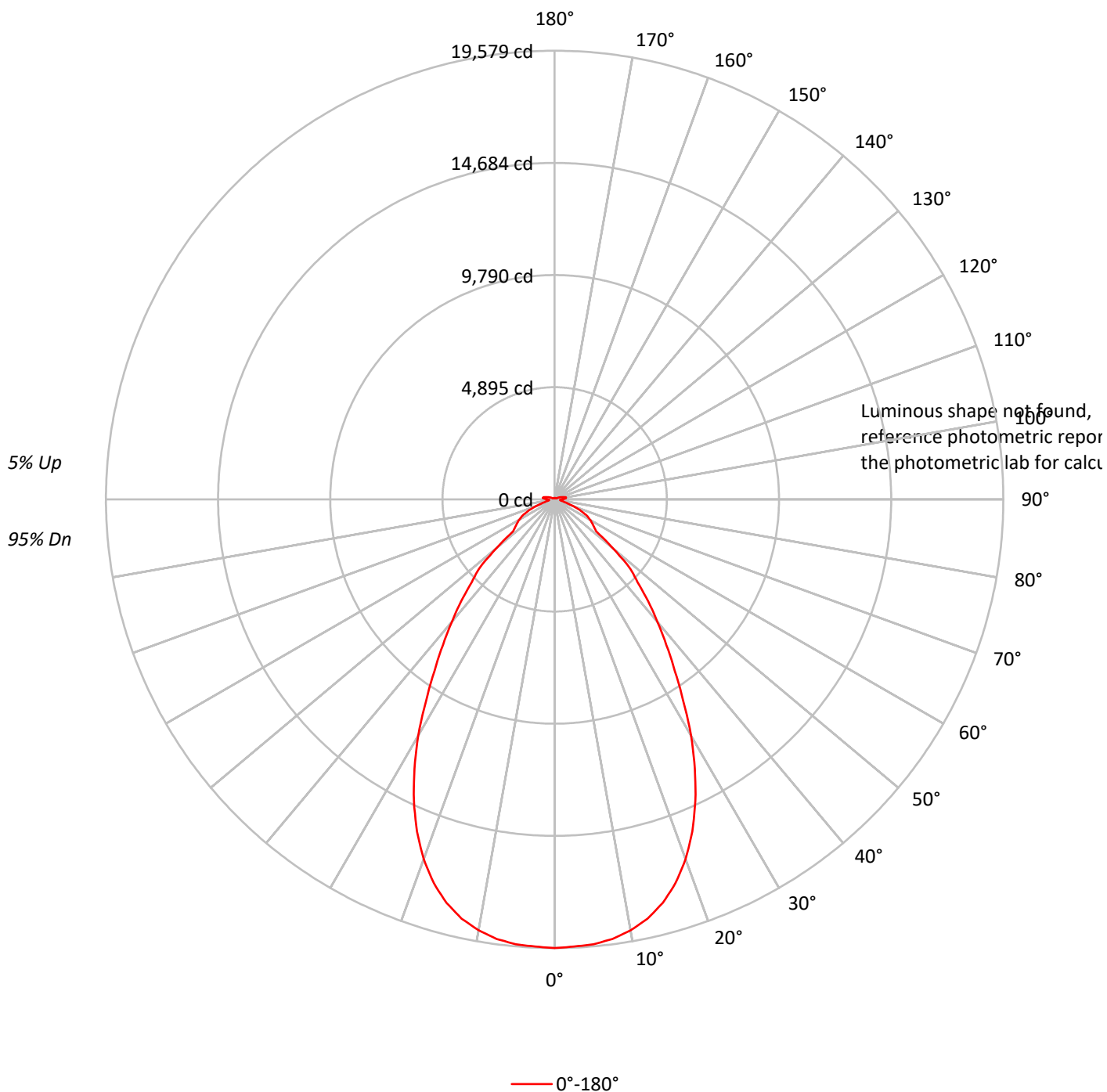
Lumens per Lamp: N/A
Luminaire Lumens: 28761.6 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Spacing Criteria (0/90/45): 1/1/2001
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 199.4
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	103	103	103	98	98	98	95		
1	110	107	103	101	107	104	101	99	99	97	95	95	93	91	90	89	88	85		
2	103	97	91	87	100	94	90	86	90	86	83	87	83	81	83	80	78	76		
3	96	88	81	76	93	86	80	75	83	78	74	79	75	72	76	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	70	67	63	61		
5	84	73	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	55		
6	79	68	60	55	77	67	60	55	64	58	54	62	57	53	61	56	52	51		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	50	46	56	50	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	38	46	42	38	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°	1847.7	6.4
10°-20°	5097.8	17.7
20°-30°	6619.9	23.0
30°-40°	5757.3	20.0
40°-50°	3987.6	13.9
50°-60°	1977.3	6.9
60°-70°	1352.3	4.7
70°-80°	519.1	1.8
80°-90°	281.2	1.0
90°-100°	484.0	1.7
100°-110°	420.0	1.5
110°-120°	184.9	0.6
120°-130°	78.6	0.3
130°-140°	57.1	0.2
140°-150°	44.0	0.2
150°-160°	30.3	0.1
160°-170°	17.2	0.1
170°-180°	5.3	0.0
0°-30°	13565.4	47.2
0°-40°	19322.7	67.2
0°-60°	25287.6	87.9
0°-90°	27440.2	95.4
90°-120°	1088.9	3.8
90°-150°	1268.6	4.4
90°-180°	1321.0	4.6
0°-180°	28761.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19579	
5°	19487	###
15°	18229	5098
25°	14529	6620
35°	9142	5757
45°	5106	3988
55°	2096	1977
65°	1395	1352
75°	450	519
85°	236	202
90°	317	177
95°	466	387
105°	398	420
115°	178	185
125°	83	79
135°	74	57
145°	70	44
155°	66	30
165°	61	17
175°	57	5
180°	57	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19579.0
2.5°	19531.3
5°	19486.7
7.5°	19346.7
10°	19093.5
12.5°	18739.0
15°	18228.7
17.5°	17554.5
20°	16701.6
22.5°	15689.8
25°	14529.1
27.5°	13251.2
30°	11903.9
32.5°	10449.3
35°	9141.6
37.5°	8004.8
40°	6988.0
42.5°	6041.8
45°	5105.5
47.5°	4491.9
50°	3302.4
52.5°	2276.7
55°	2096.0
57.5°	1943.1
60°	1788.2
62.5°	1616.4
65°	1395.0
67.5°	1136.9
70°	861.8
72.5°	616.6
75°	449.8
77.5°	339.6
80°	269.1
82.5°	237.3
85°	236.3
87.5°	264.1
90°	316.7
92.5°	392.2
95°	465.7
97.5°	507.4
100°	503.4
102.5°	457.7
105°	398.2
107.5°	337.6
110°	279.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	225.4
115°	177.7
117.5°	141.0
120°	114.2
122.5°	95.3
125°	83.4
127.5°	76.5
130°	73.5
132.5°	72.5
135°	74.5
137.5°	74.5
140°	73.5
142.5°	72.5
145°	69.5
147.5°	67.5
150°	66.5
152.5°	65.5
155°	65.5
157.5°	65.5
160°	64.5
162.5°	62.6
165°	60.6
167.5°	57.6
170°	55.6
172.5°	54.6
175°	56.6
177.5°	56.6
180°	56.6

(END OF REPORT)