

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: P1505557

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (6500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505557
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-119)
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 (6500K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

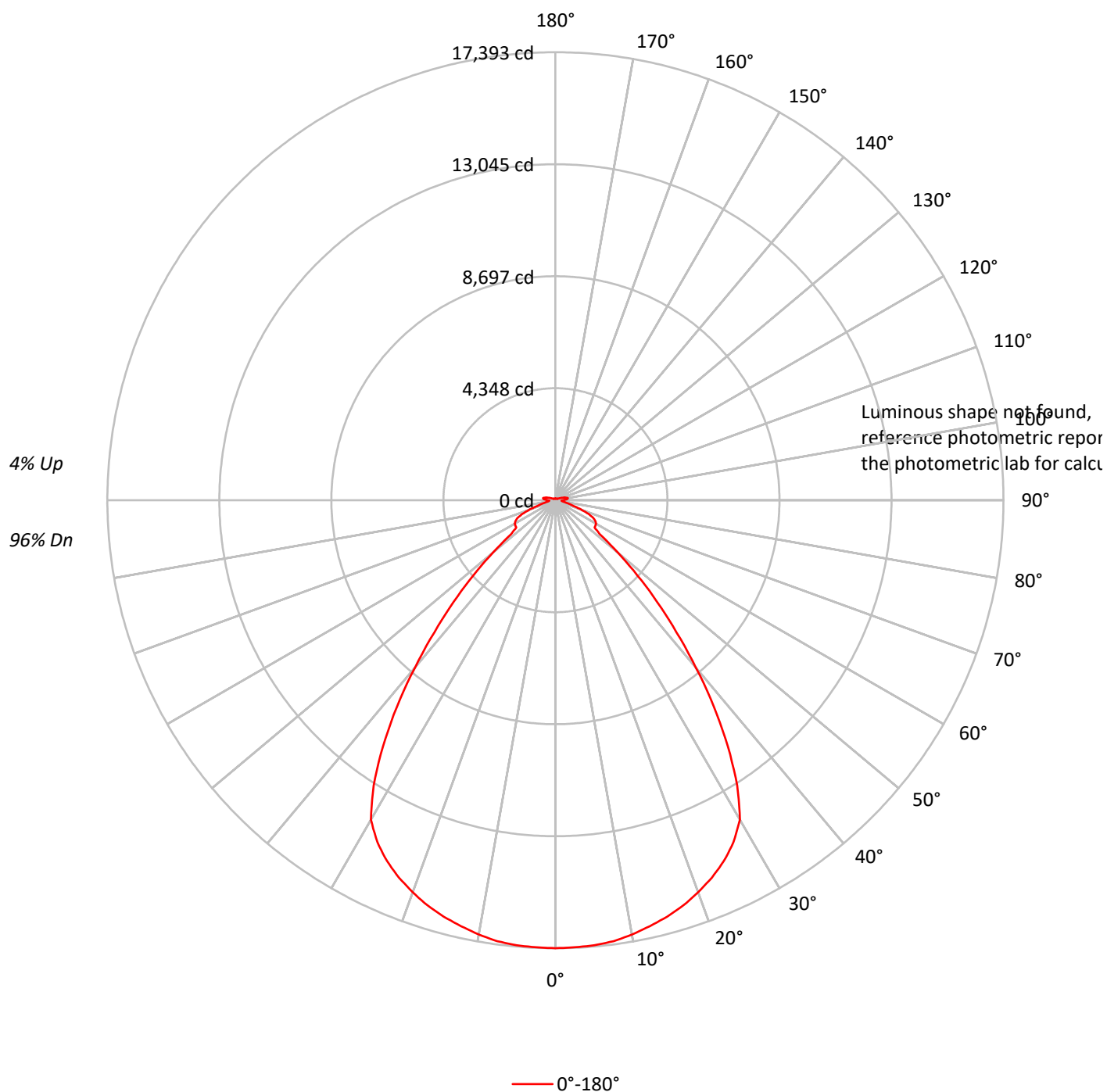
Lumens per Lamp: N/A
Luminaire Lumens: 30638.9 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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



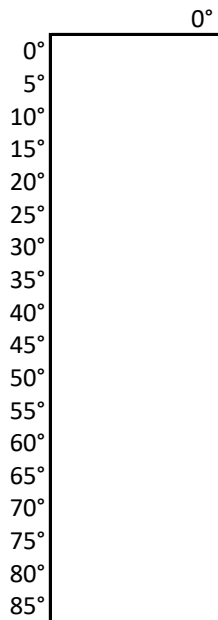
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	103	103	103	98	98	98	96
1	110	107	103	100	107	104	101	98	99	97	94	95	93	91	90	89	87	85
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78	76
3	96	87	81	76	93	85	80	75	82	77	73	79	75	71	76	73	70	67
4	89	79	72	67	87	78	71	66	75	69	65	72	68	64	70	66	62	60
5	83	73	65	60	81	71	64	59	69	63	58	67	61	57	64	60	56	55
6	78	67	59	54	76	66	59	53	63	57	53	62	56	52	60	55	51	49
7	73	61	54	49	71	60	53	49	59	52	48	57	51	47	55	51	47	45
8	68	57	50	45	67	56	49	44	54	48	44	53	47	43	52	47	43	41
9	64	53	46	41	63	52	45	41	51	45	40	49	44	40	48	43	39	38
10	61	49	42	38	59	48	42	37	47	41	37	46	41	37	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1648.6	5.4
10°-20°	4723.1	15.4
20°-30°	7098.0	23.2
30°-40°	7203.4	23.5
40°-50°	4334.7	14.1
50°-60°	1863.8	6.1
60°-70°	1531.0	5.0
70°-80°	628.9	2.1
80°-90°	284.7	0.9
90°-100°	456.3	1.5
100°-110°	414.9	1.4
110°-120°	192.9	0.6
120°-130°	85.7	0.3
130°-140°	64.6	0.2
140°-150°	49.7	0.2
150°-160°	33.7	0.1
160°-170°	19.1	0.1
170°-180°	5.7	0.0
0°-30°	13469.6	44.0
0°-40°	20673.0	67.5
0°-60°	26871.4	87.7
0°-90°	29316.1	95.7
90°-120°	1064.2	3.5
90°-150°	1264.2	4.1
90°-180°	1323.0	4.3
0°-180°	30638.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17393	
5°	17343	###
15°	16738	4723
25°	15462	7098
35°	11680	7203
45°	5590	4335
55°	1853	1864
65°	1621	1531
75°	542	629
85°	238	210
90°	293	165
95°	437	366
105°	394	415
115°	187	193
125°	91	86
135°	84	65
145°	78	50
155°	72	34
165°	67	19
175°	60	6
180°	61	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17392.7
2.5°	17372.4
5°	17342.8
7.5°	17266.3
10°	17121.6
12.5°	16935.0
15°	16738.3
17.5°	16499.7
20°	16194.9
22.5°	15862.6
25°	15461.9
27.5°	14970.5
30°	14323.2
32.5°	13131.5
35°	11679.8
37.5°	10110.8
40°	8487.9
42.5°	6951.6
45°	5589.6
47.5°	4320.4
50°	3146.0
52.5°	2173.5
55°	1853.3
57.5°	1842.1
60°	1817.7
62.5°	1746.3
65°	1620.9
67.5°	1380.3
70°	1064.3
72.5°	761.5
75°	542.3
77.5°	399.6
80°	306.9
82.5°	254.9
85°	237.5
87.5°	251.8
90°	292.6
92.5°	363.9
95°	437.3
97.5°	483.2
100°	486.3
102.5°	447.5
105°	394.5
107.5°	338.5
110°	284.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	233.5
115°	186.6
117.5°	149.9
120°	122.3
122.5°	103.0
125°	90.7
127.5°	84.6
130°	82.6
132.5°	82.6
135°	83.6
137.5°	84.6
140°	83.6
142.5°	81.6
145°	78.5
147.5°	76.5
150°	74.4
152.5°	73.4
155°	72.4
157.5°	72.4
160°	71.4
162.5°	69.3
165°	67.3
167.5°	64.2
170°	61.2
172.5°	59.1
175°	60.1
177.5°	61.2
180°	61.2

(END OF REPORT)