

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: P1505538

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (4000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505538
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-120)
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 (4000K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

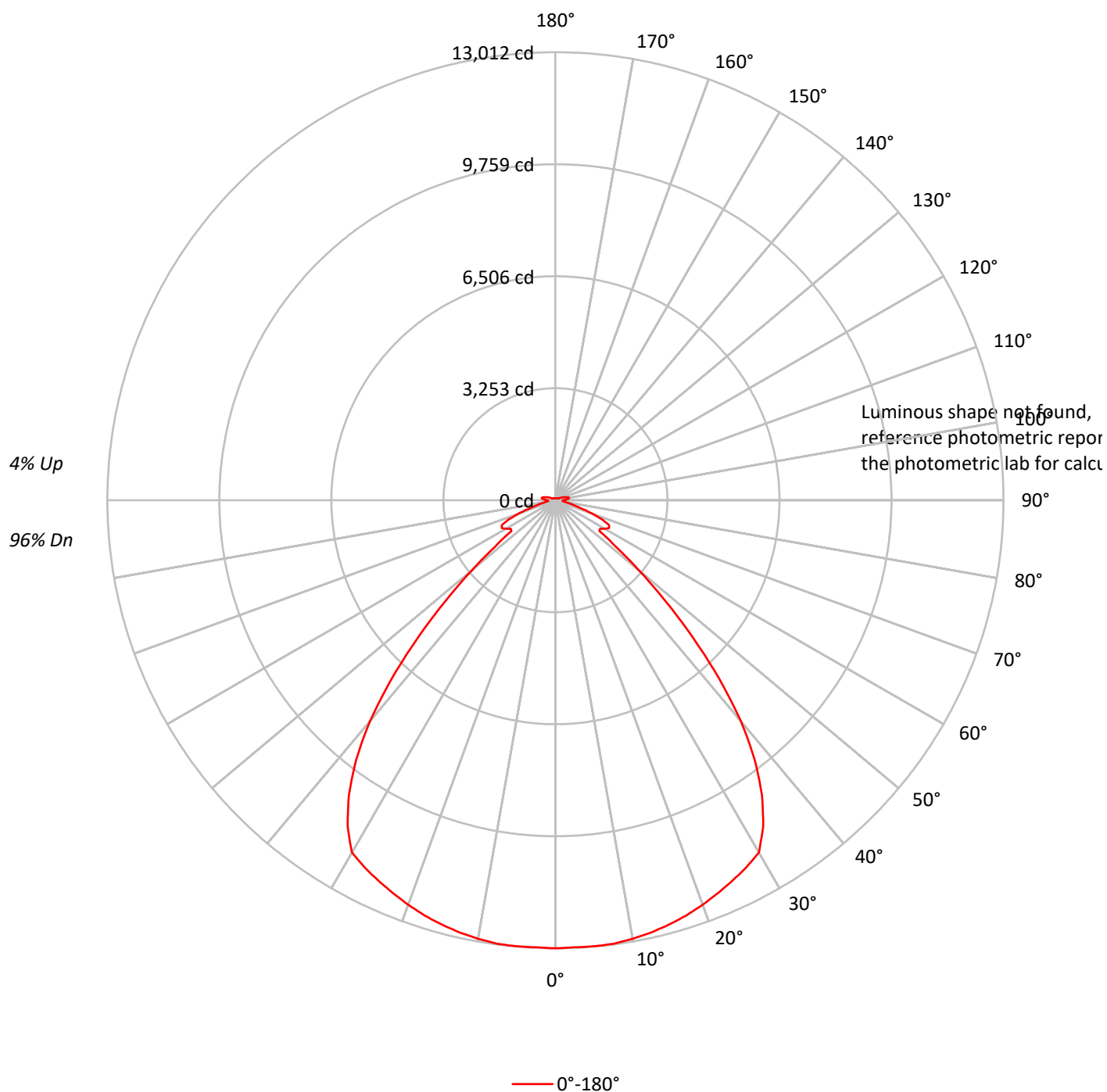
Lumens per Lamp: N/A
Luminaire Lumens: 26581.9 lumens
Efficiency: N/A
Efficacy: 170.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 155.7
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



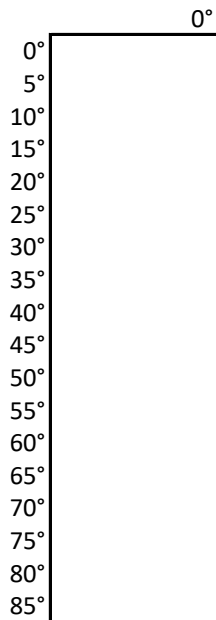
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	106	103	100	107	104	100	98	99	96	94	94	92	90	90	88	87	85		
2	102	95	90	85	99	93	88	84	89	85	81	85	82	79	82	79	77	75		
3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68	66		
4	88	78	71	65	86	76	70	64	74	68	63	71	66	62	68	64	61	59		
5	82	71	63	58	80	70	63	57	67	61	56	65	60	55	63	58	54	52		
6	76	65	57	52	74	64	57	51	62	55	50	60	54	50	58	53	49	47		
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	53	48	44	43		
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	41	39		
9	63	51	43	38	61	50	43	38	49	42	38	47	42	37	46	41	37	35		
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°	1239.3	4.7
10°-20°	3606.2	13.6
20°-30°	5626.3	21.2
30°-40°	6443.6	24.2
40°-50°	4355.3	16.4
50°-60°	1714.6	6.5
60°-70°	1572.2	5.9
70°-80°	644.9	2.4
80°-90°	247.0	0.9
90°-100°	370.0	1.4
100°-110°	354.2	1.3
110°-120°	170.3	0.6
120°-130°	78.5	0.3
130°-140°	60.2	0.2
140°-150°	46.1	0.2
150°-160°	30.7	0.1
160°-170°	17.3	0.1
170°-180°	5.3	0.0
0°-30°	10471.8	39.4
0°-40°	16915.4	63.6
0°-60°	22985.3	86.5
0°-90°	25449.4	95.7
90°-120°	894.5	3.4
90°-150°	1079.2	4.1
90°-180°	1133.0	4.3
0°-180°	26581.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13012	
5°	13006	###
15°	12757	3606
25°	12182	5626
35°	10457	6444
45°	5644	4355
55°	1560	1715
65°	1720	1572
75°	552	645
85°	206	186
90°	235	132
95°	352	298
105°	338	354
115°	165	170
125°	83	78
135°	78	60
145°	73	46
155°	66	31
165°	60	17
175°	56	5
180°	56	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13012.4
2.5°	12997.0
5°	13005.6
7.5°	12991.0
10°	12931.6
12.5°	12857.7
15°	12757.1
17.5°	12642.7
20°	12503.4
22.5°	12342.7
25°	12181.9
27.5°	12015.9
30°	11815.6
32.5°	11230.1
35°	10457.1
37.5°	9509.6
40°	8384.1
42.5°	7047.0
45°	5643.8
47.5°	4329.2
50°	3146.1
52.5°	2202.8
55°	1559.7
57.5°	1537.4
60°	1654.3
62.5°	1754.9
65°	1719.6
67.5°	1481.5
70°	1131.5
72.5°	791.9
75°	552.0
77.5°	395.5
80°	290.6
82.5°	230.4
85°	205.5
87.5°	207.2
90°	234.7
92.5°	289.8
95°	352.5
97.5°	395.5
100°	404.1
102.5°	380.0
105°	337.9
107.5°	293.2
110°	247.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	204.6
115°	165.1
117.5°	134.1
120°	110.1
122.5°	93.7
125°	83.4
127.5°	78.2
130°	76.5
132.5°	76.5
135°	78.2
137.5°	79.1
140°	78.2
142.5°	75.7
145°	73.1
147.5°	70.5
150°	68.8
152.5°	67.1
155°	66.2
157.5°	65.3
160°	64.5
162.5°	62.8
165°	60.2
167.5°	58.5
170°	55.9
172.5°	54.2
175°	55.9
177.5°	55.9
180°	55.9

(END OF REPORT)