

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: P1505519

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505519
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_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

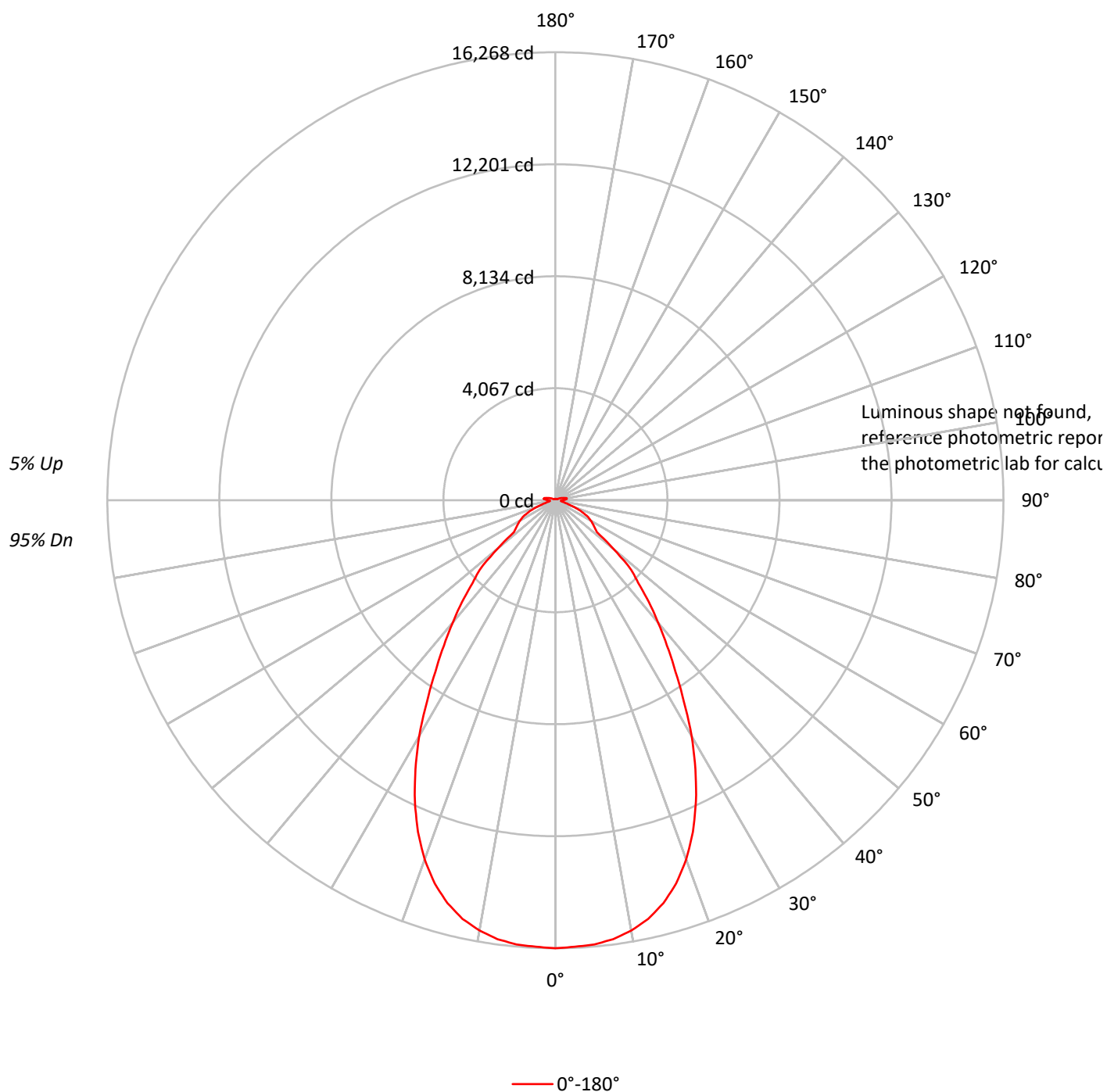
Lumens per Lamp: N/A
Luminaire Lumens: 23898.2 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Spacing Criteria (0/90/45): 1/1/2001
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 159.4
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





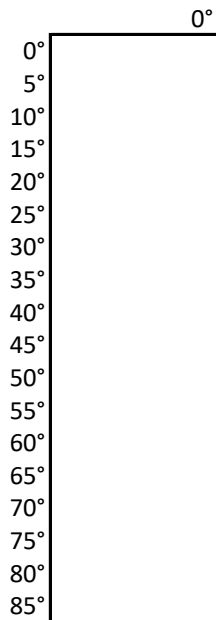
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1535.3	6.4
10°-20°	4235.8	17.7
20°-30°	5500.5	23.0
30°-40°	4783.8	20.0
40°-50°	3313.3	13.9
50°-60°	1642.9	6.9
60°-70°	1123.6	4.7
70°-80°	431.3	1.8
80°-90°	233.7	1.0
90°-100°	402.2	1.7
100°-110°	349.0	1.5
110°-120°	153.6	0.6
120°-130°	65.3	0.3
130°-140°	47.4	0.2
140°-150°	36.6	0.2
150°-160°	25.2	0.1
160°-170°	14.3	0.1
170°-180°	4.4	0.0
0°-30°	11271.5	47.2
0°-40°	16055.3	67.2
0°-60°	21011.5	87.9
0°-90°	22800.2	95.4
90°-120°	904.8	3.8
90°-150°	1054.1	4.4
90°-180°	1098.0	4.6
0°-180°	23898.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16268	
5°	16192	###
15°	15146	4236
25°	12072	5500
35°	7596	4784
45°	4242	3313
55°	1742	1643
65°	1159	1124
75°	374	431
85°	196	168
90°	263	147
95°	387	321
105°	331	349
115°	148	154
125°	69	65
135°	62	47
145°	58	37
155°	54	25
165°	50	14
175°	47	4
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16268.2
2.5°	16228.6
5°	16191.5
7.5°	16075.2
10°	15864.8
12.5°	15570.3
15°	15146.2
17.5°	14586.1
20°	13877.4
22.5°	13036.7
25°	12072.3
27.5°	11010.5
30°	9891.0
32.5°	8682.3
35°	7595.8
37.5°	6651.2
40°	5806.4
42.5°	5020.1
45°	4242.2
47.5°	3732.3
50°	2744.0
52.5°	1891.7
55°	1741.6
57.5°	1614.5
60°	1485.8
62.5°	1343.1
65°	1159.1
67.5°	944.6
70°	716.1
72.5°	512.3
75°	373.7
77.5°	282.2
80°	223.6
82.5°	197.2
85°	196.4
87.5°	219.5
90°	263.2
92.5°	325.9
95°	386.9
97.5°	421.6
100°	418.3
102.5°	380.3
105°	330.8
107.5°	280.5
110°	231.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	187.3
115°	147.7
117.5°	117.2
120°	94.9
122.5°	79.2
125°	69.3
127.5°	63.5
130°	61.1
132.5°	60.2
135°	61.9
137.5°	61.9
140°	61.1
142.5°	60.2
145°	57.8
147.5°	56.1
150°	55.3
152.5°	54.5
155°	54.5
157.5°	54.5
160°	53.6
162.5°	52.0
165°	50.3
167.5°	47.9
170°	46.2
172.5°	45.4
175°	47.0
177.5°	47.0
180°	47.0

(END OF REPORT)