

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: P1505537

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (4000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505537
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 (4000K_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

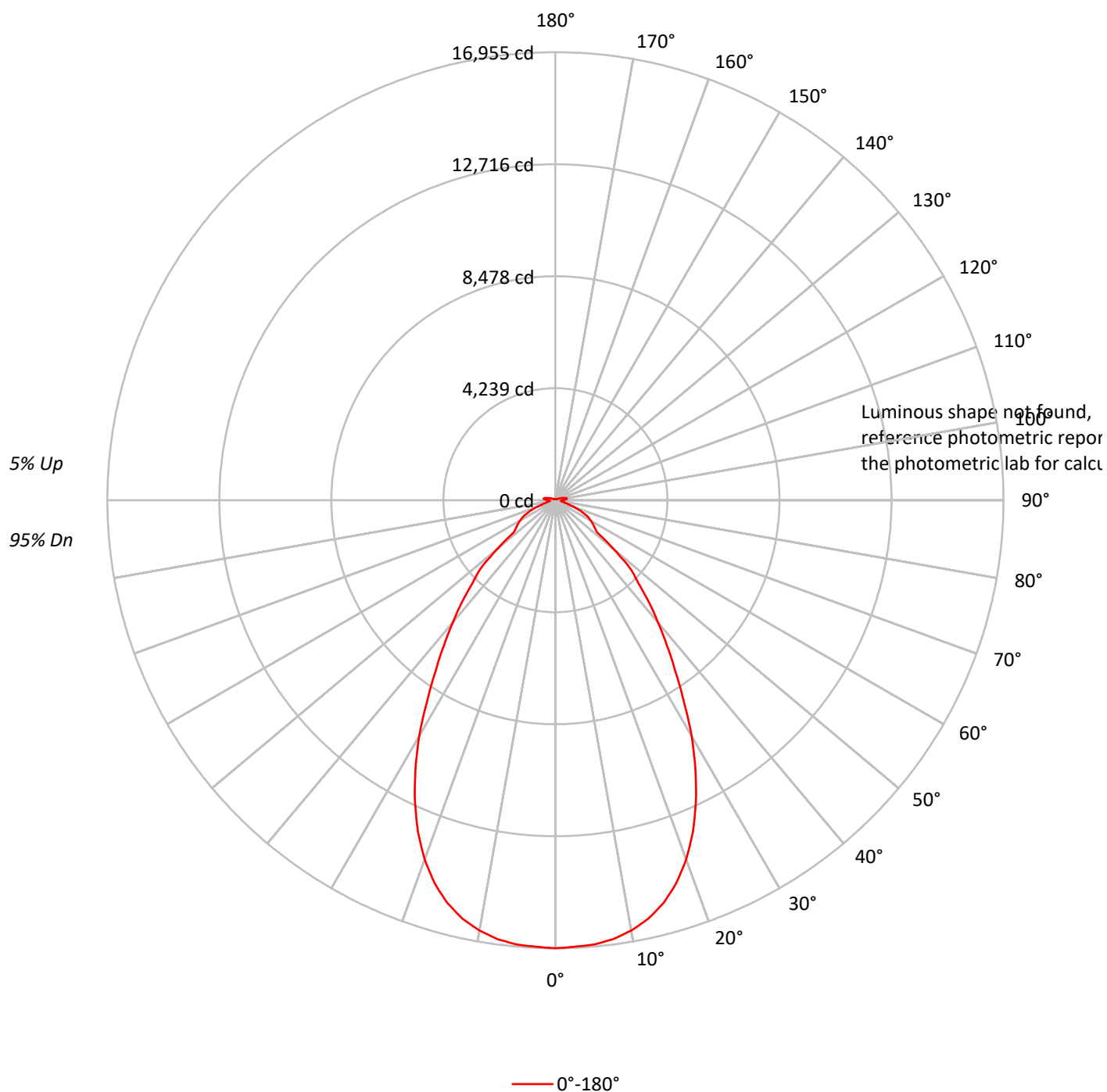
Lumens per Lamp: N/A
Luminaire Lumens: 24906.5 lumens
Efficiency: N/A
Efficacy: 160.0 lumens/watt
Spacing Criteria (0/90/45): 1/1/2001
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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





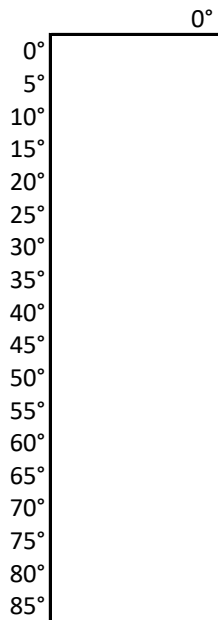
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	1600.1	6.4
10°-20°	4414.5	17.7
20°-30°	5732.6	23.0
30°-40°	4985.6	20.0
40°-50°	3453.1	13.9
50°-60°	1712.3	6.9
60°-70°	1171.1	4.7
70°-80°	449.5	1.8
80°-90°	243.5	1.0
90°-100°	419.1	1.7
100°-110°	363.7	1.5
110°-120°	160.1	0.6
120°-130°	68.1	0.3
130°-140°	49.4	0.2
140°-150°	38.1	0.2
150°-160°	26.3	0.1
160°-170°	14.9	0.1
170°-180°	4.6	0.0
0°-30°	11747.1	47.2
0°-40°	16732.7	67.2
0°-60°	21898.2	87.9
0°-90°	23762.2	95.4
90°-120°	942.9	3.8
90°-150°	1098.5	4.4
90°-180°	1144.0	4.6
0°-180°	24906.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16955	
5°	16875	###
15°	15785	4414
25°	12582	5733
35°	7916	4986
45°	4421	3453
55°	1815	1712
65°	1208	1171
75°	390	450
85°	205	175
90°	274	153
95°	403	335
105°	345	364
115°	154	160
125°	72	68
135°	64	49
145°	60	38
155°	57	26
165°	52	15
175°	49	5
180°	49	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16954.7
2.5°	16913.4
5°	16874.7
7.5°	16753.5
10°	16534.3
12.5°	16227.3
15°	15785.4
17.5°	15201.5
20°	14463.0
22.5°	13586.8
25°	12581.7
27.5°	11475.1
30°	10308.3
32.5°	9048.7
35°	7916.3
37.5°	6931.8
40°	6051.4
42.5°	5232.0
45°	4421.2
47.5°	3889.8
50°	2859.7
52.5°	1971.6
55°	1815.1
57.5°	1682.7
60°	1548.5
62.5°	1399.8
65°	1208.0
67.5°	984.5
70°	746.3
72.5°	533.9
75°	389.5
77.5°	294.1
80°	233.0
82.5°	205.5
85°	204.6
87.5°	228.7
90°	274.3
92.5°	339.6
95°	403.3
97.5°	439.4
100°	435.9
102.5°	396.4
105°	344.8
107.5°	292.3
110°	241.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	195.2
115°	153.9
117.5°	122.1
120°	98.9
122.5°	82.5
125°	72.2
127.5°	66.2
130°	63.6
132.5°	62.8
135°	64.5
137.5°	64.5
140°	63.6
142.5°	62.8
145°	60.2
147.5°	58.5
150°	57.6
152.5°	56.7
155°	56.7
157.5°	56.7
160°	55.9
162.5°	54.2
165°	52.4
167.5°	49.9
170°	48.1
172.5°	47.3
175°	49.0
177.5°	49.0
180°	49.0

(END OF REPORT)