

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: P1505177

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505177
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-106)
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-A-06-CLER-PS (4000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

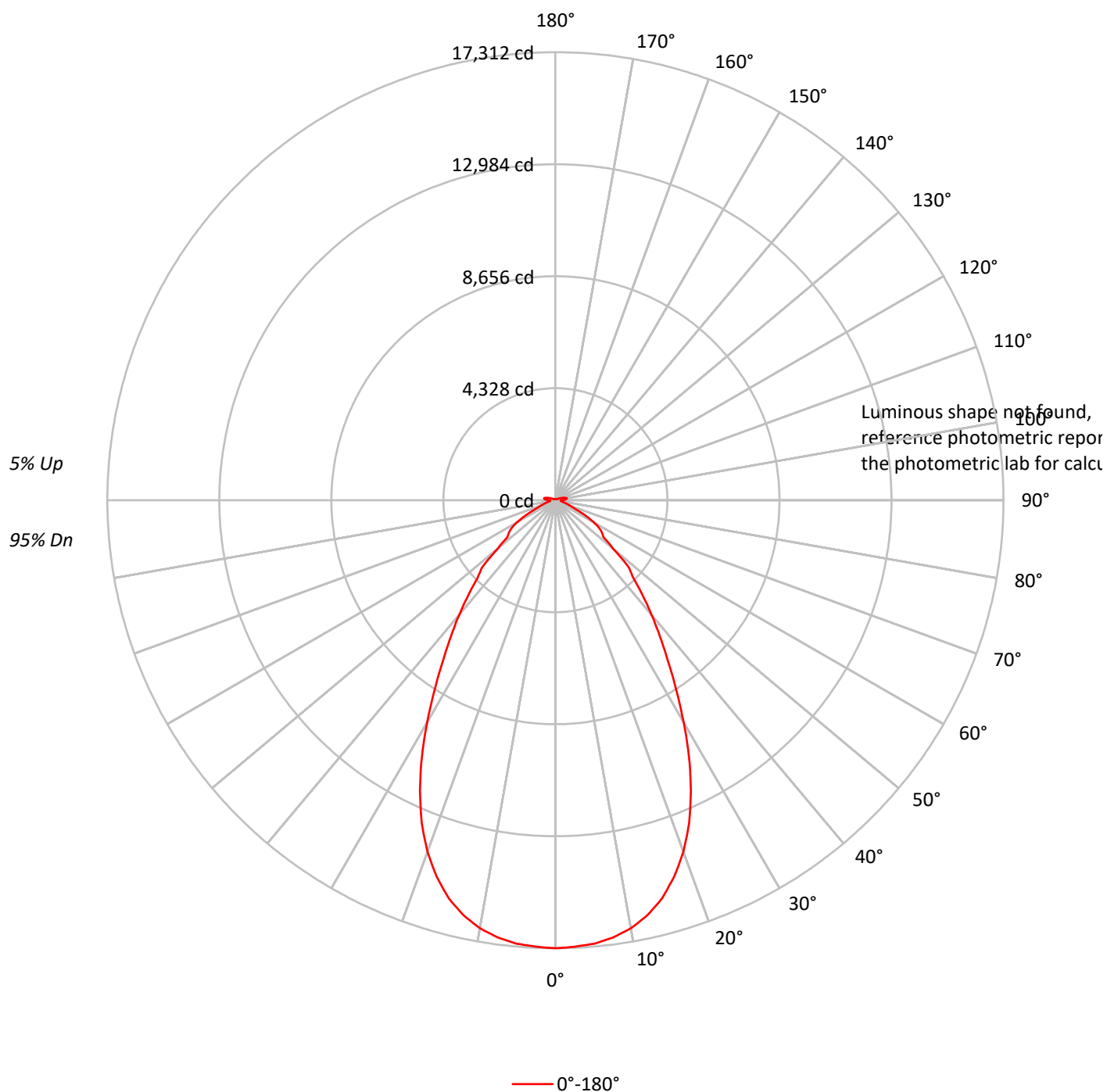
Lumens per Lamp: N/A
Luminaire Lumens: 24653.6 lumens
Efficiency: N/A
Efficacy: 158.3 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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



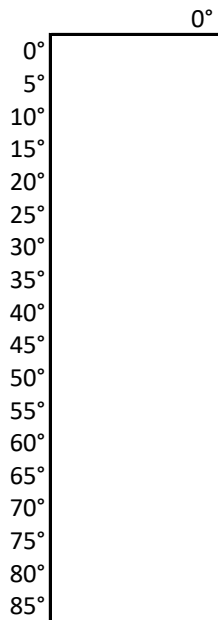
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	108	108	108	103	103	103	98	98	98	95		
1	110	107	104	101	107	104	101	99	99	97	95	95	93	91	90	89	87	85		
2	103	97	91	87	100	95	90	86	90	86	83	87	83	81	83	80	78	76		
3	96	88	82	76	93	86	80	76	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	71	67	63	61		
5	84	74	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	56		
6	79	68	60	55	77	67	60	55	64	58	54	63	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	51	46	56	50	45	54	49	45	53	48	44	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1628.7	6.6
10°-20°	4446.5	18.0
20°-30°	5635.0	22.9
30°-40°	4772.3	19.4
40°-50°	3346.1	13.6
50°-60°	1979.9	8.0
60°-70°	1042.0	4.2
70°-80°	391.2	1.6
80°-90°	237.5	1.0
90°-100°	419.1	1.7
100°-110°	383.5	1.6
110°-120°	169.1	0.7
120°-130°	70.5	0.3
130°-140°	49.3	0.2
140°-150°	38.5	0.2
150°-160°	26.6	0.1
160°-170°	13.8	0.1
170°-180°	4.0	0.0
0°-30°	11710.2	47.5
0°-40°	16482.5	66.9
0°-60°	21808.5	88.5
0°-90°	23479.3	95.2
90°-120°	971.7	3.9
90°-150°	1130.0	4.6
90°-180°	1174.0	4.8
0°-180°	24653.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17312	
5°	17202	###
15°	15922	4447
25°	12386	5635
35°	7571	4772
45°	4255	3346
55°	2205	1980
65°	1003	1042
75°	363	391
85°	200	169
90°	273	152
95°	399	336
105°	366	384
115°	162	169
125°	75	71
135°	64	49
145°	61	38
155°	58	27
165°	48	14
175°	40	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17311.5
2.5°	17266.0
5°	17201.5
7.5°	17038.1
10°	16793.9
12.5°	16427.6
15°	15922.1
17.5°	15250.5
20°	14450.9
22.5°	13496.5
25°	12386.5
27.5°	11175.0
30°	9899.9
32.5°	8677.3
35°	7570.7
37.5°	6624.0
40°	5772.8
42.5°	4981.8
45°	4255.2
47.5°	3846.8
50°	2911.3
52.5°	2330.1
55°	2205.4
57.5°	2009.4
60°	1727.4
62.5°	1355.1
65°	1003.4
67.5°	729.1
70°	557.2
72.5°	449.7
75°	362.8
77.5°	281.2
80°	223.6
82.5°	196.9
85°	199.5
87.5°	226.1
90°	272.6
92.5°	336.2
95°	399.0
97.5°	441.9
100°	448.0
102.5°	415.3
105°	366.3
107.5°	313.0
110°	257.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	206.4
115°	162.5
117.5°	128.1
120°	104.0
122.5°	86.0
125°	74.8
127.5°	67.9
130°	64.5
132.5°	63.6
135°	63.6
137.5°	63.6
140°	62.8
142.5°	61.9
145°	61.0
147.5°	60.2
150°	60.2
152.5°	58.5
155°	57.6
157.5°	55.9
160°	54.2
162.5°	50.7
165°	48.1
167.5°	45.6
170°	43.0
172.5°	42.1
175°	40.4
177.5°	40.4
180°	40.4

(END OF REPORT)