

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: P1505042

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505042
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-88)
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-04-TRWH-PS (4000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

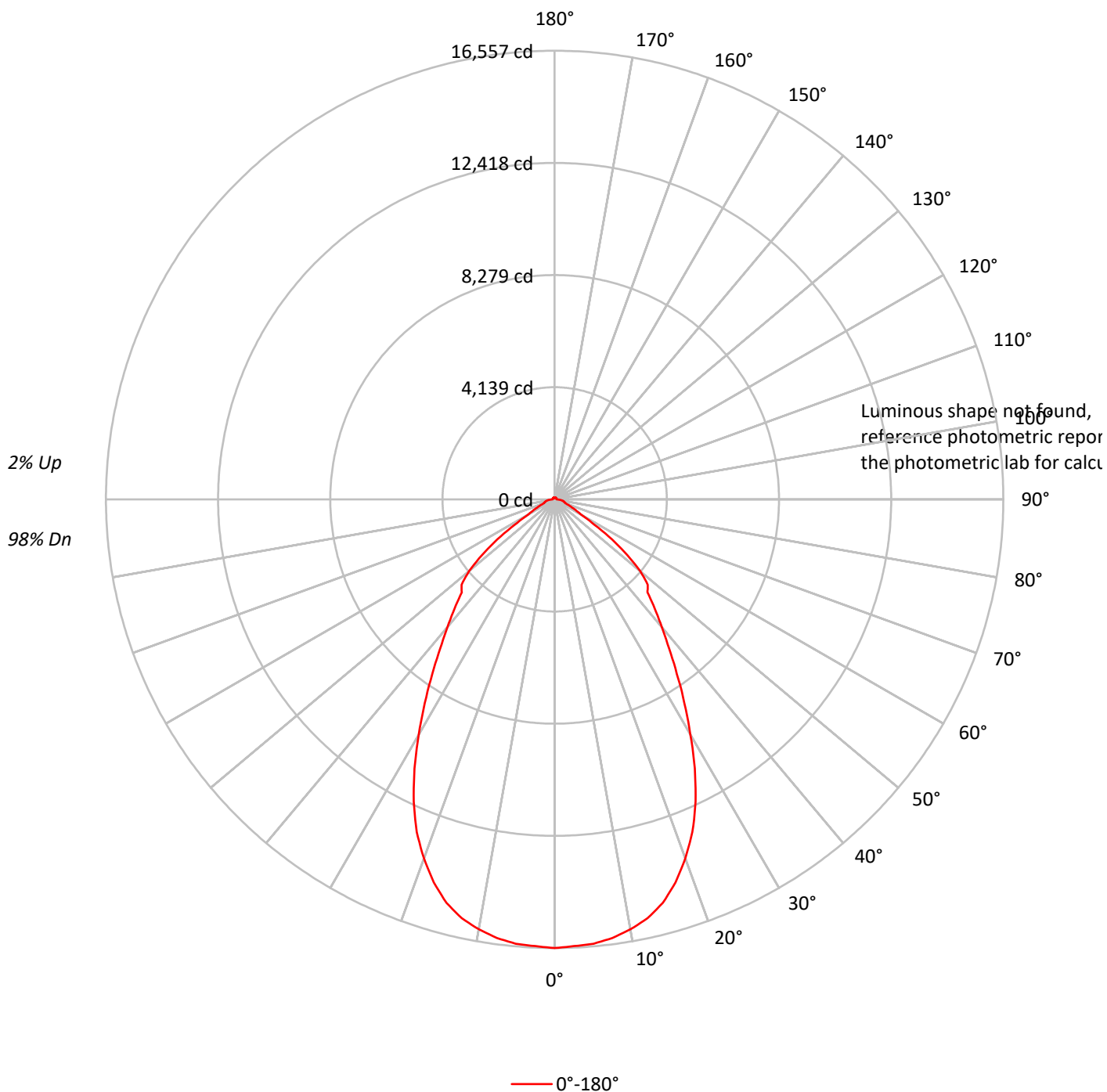
Lumens per Lamp: N/A
Luminaire Lumens: 24354.0 lumens
Efficiency: N/A
Efficacy: 156.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	104	101	108	105	102	100	101	98	96	97	95	93	93	91	90	88		
2	104	97	92	88	101	96	91	87	92	88	85	89	85	82	85	83	80	78		
3	97	89	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72	70		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52		
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	46	55	49	45	54	49	45	43		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	39	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°	1559.9	6.4
10°-20°	4306.2	17.7
20°-30°	5596.7	23.0
30°-40°	4944.1	20.3
40°-50°	3874.1	15.9
50°-60°	2296.8	9.4
60°-70°	731.1	3.0
70°-80°	389.4	1.6
80°-90°	213.8	0.9
90°-100°	81.1	0.3
100°-110°	79.1	0.3
110°-120°	73.1	0.3
120°-130°	63.8	0.3
130°-140°	53.4	0.2
140°-150°	44.2	0.2
150°-160°	29.5	0.1
160°-170°	14.0	0.1
170°-180°	3.8	0.0
0°-30°	11462.8	47.1
0°-40°	16406.9	67.4
0°-60°	22577.7	92.7
0°-90°	23912.0	98.2
90°-120°	233.3	1.0
90°-150°	394.7	1.6
90°-180°	442.0	1.8
0°-180°	24354.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16557	
5°	16459	###
15°	15420	4306
25°	12306	5597
35°	7866	4944
45°	4845	3874
55°	2587	2297
65°	712	731
75°	366	389
85°	200	185
90°	76	50
95°	74	61
105°	75	79
115°	74	73
125°	71	64
135°	69	53
145°	70	44
155°	63	29
165°	48	14
175°	39	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16556.6
2.5°	16501.6
5°	16458.6
7.5°	16326.2
10°	16110.4
12.5°	15828.3
15°	15419.9
17.5°	14821.5
20°	14099.3
22.5°	13285.9
25°	12305.7
27.5°	11195.7
30°	10021.1
32.5°	8912.8
35°	7865.6
37.5°	6925.8
40°	6143.4
42.5°	5472.7
45°	4845.1
47.5°	4661.9
50°	4120.2
52.5°	3383.4
55°	2587.2
57.5°	1754.0
60°	1147.0
62.5°	915.7
65°	711.9
67.5°	543.4
70°	440.2
72.5°	392.9
75°	366.3
77.5°	342.2
80°	305.2
82.5°	257.9
85°	199.5
87.5°	136.7
90°	76.5
92.5°	73.1
95°	73.9
97.5°	74.8
100°	74.8
102.5°	74.8
105°	74.8
107.5°	74.8
110°	74.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	73.9
115°	73.9
117.5°	73.1
120°	72.2
122.5°	71.4
125°	71.4
127.5°	70.5
130°	69.6
132.5°	68.8
135°	68.8
137.5°	68.8
140°	68.8
142.5°	69.6
145°	70.5
147.5°	71.4
150°	71.4
152.5°	67.1
155°	62.8
157.5°	59.3
160°	55.9
162.5°	51.6
165°	48.1
167.5°	45.6
170°	43.0
172.5°	40.4
175°	38.7
177.5°	37.8
180°	38.7

(END OF REPORT)