

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: P1505158

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505158
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-107)
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 (3000K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

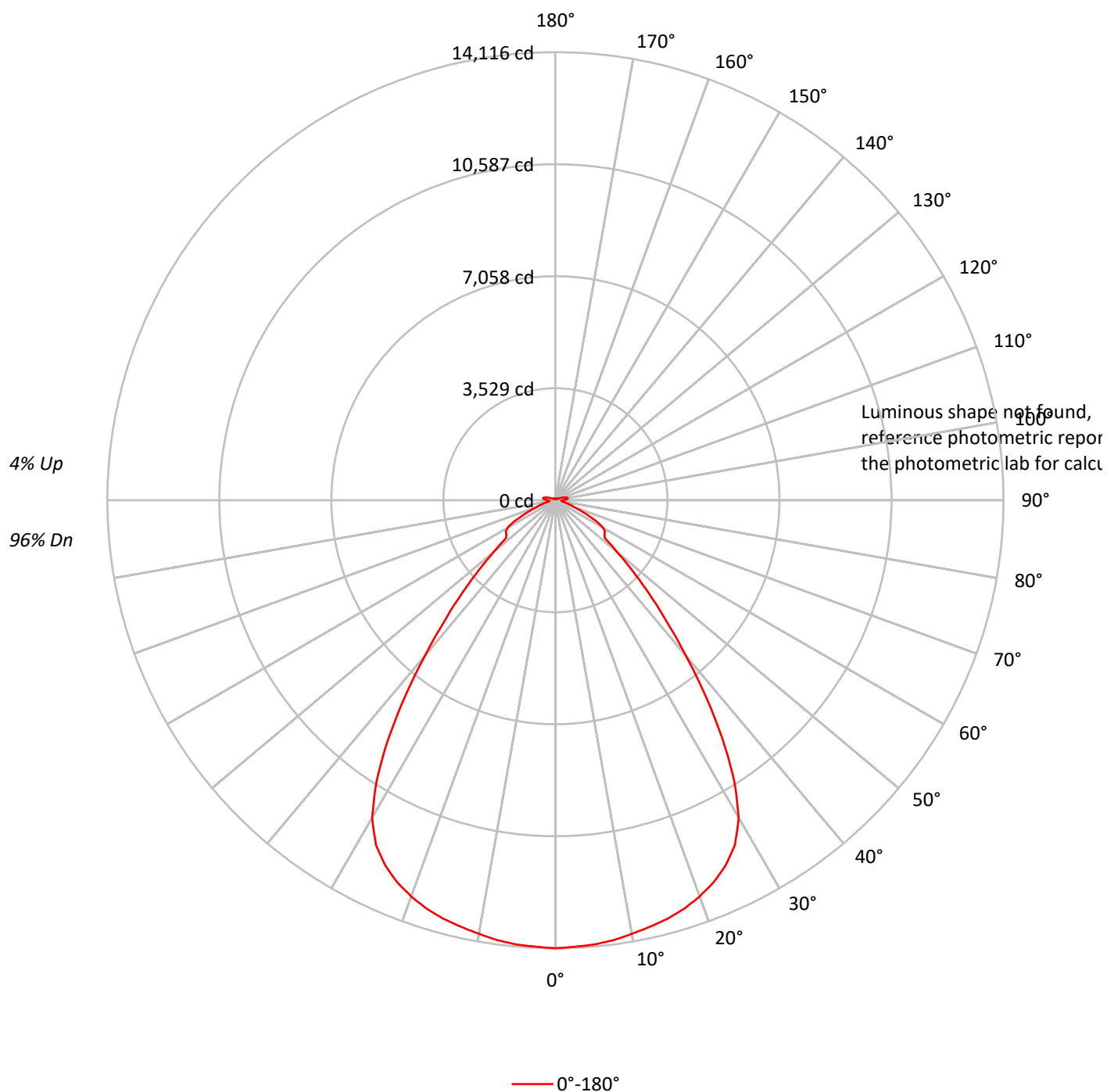
Lumens per Lamp: N/A
Luminaire Lumens: 24534.2 lumens
Efficiency: N/A
Efficacy: 153.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.12
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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	96		
1	110	107	103	101	107	104	101	98	99	97	95	95	93	91	90	89	88	85		
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68		
4	89	80	73	67	87	78	72	67	75	70	65	73	68	64	70	66	63	61		
5	83	73	65	60	81	72	65	60	69	63	59	67	62	58	65	60	57	55		
6	78	67	59	54	76	66	59	54	64	58	53	62	56	52	60	55	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	57	52	48	56	51	47	45		
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41		
9	65	53	46	41	63	52	46	41	51	45	40	50	44	40	48	43	40	38		
10	61	49	42	38	60	49	42	38	48	42	37	46	41	37	45	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1335.5	5.4
10°-20°	3852.9	15.7
20°-30°	5806.6	23.7
30°-40°	5648.9	23.0
40°-50°	3272.2	13.3
50°-60°	1752.0	7.1
60°-70°	1149.0	4.7
70°-80°	425.0	1.7
80°-90°	219.6	0.9
90°-100°	362.0	1.5
100°-110°	344.3	1.4
110°-120°	159.2	0.6
120°-130°	70.5	0.3
130°-140°	51.7	0.2
140°-150°	40.0	0.2
150°-160°	27.3	0.1
160°-170°	13.8	0.1
170°-180°	3.7	0.0
0°-30°	10995.0	44.8
0°-40°	16643.9	67.8
0°-60°	21668.2	88.3
0°-90°	23461.7	95.6
90°-120°	865.5	3.5
90°-150°	1027.7	4.2
90°-180°	1073.0	4.4
0°-180°	24534.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14116	
5°	14050	###
15°	13650	3853
25°	12691	5807
35°	9172	5649
45°	4182	3272
55°	1884	1752
65°	1147	1149
75°	389	425
85°	183	161
90°	233	130
95°	342	291
105°	329	344
115°	154	159
125°	75	71
135°	67	52
145°	64	40
155°	59	27
165°	48	14
175°	38	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14115.8
2.5°	14079.5
5°	14049.8
7.5°	13979.7
10°	13871.6
12.5°	13762.7
15°	13649.7
17.5°	13495.4
20°	13281.7
22.5°	13027.6
25°	12691.0
27.5°	12243.0
30°	11545.1
32.5°	10486.6
35°	9171.6
37.5°	7759.2
40°	6380.6
42.5°	5189.3
45°	4181.9
47.5°	3283.5
50°	2531.1
52.5°	1961.0
55°	1883.5
57.5°	1854.6
60°	1736.6
62.5°	1475.1
65°	1146.8
67.5°	851.4
70°	636.1
72.5°	495.0
75°	389.4
77.5°	295.4
80°	230.2
82.5°	193.1
85°	183.2
87.5°	197.2
90°	232.7
92.5°	285.5
95°	342.4
97.5°	386.1
100°	395.2
102.5°	370.4
105°	329.2
107.5°	283.8
110°	236.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	192.2
115°	154.3
117.5°	122.9
120°	100.7
122.5°	85.0
125°	75.1
127.5°	69.3
130°	66.8
132.5°	66.8
135°	66.8
137.5°	66.8
140°	66.0
142.5°	64.4
145°	63.5
147.5°	62.7
150°	61.9
152.5°	60.2
155°	59.4
157.5°	56.9
160°	54.5
162.5°	51.2
165°	47.9
167.5°	44.6
170°	42.1
172.5°	39.6
175°	38.0
177.5°	36.3
180°	37.1

(END OF REPORT)