

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: P1505518

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505518
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-119)
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_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

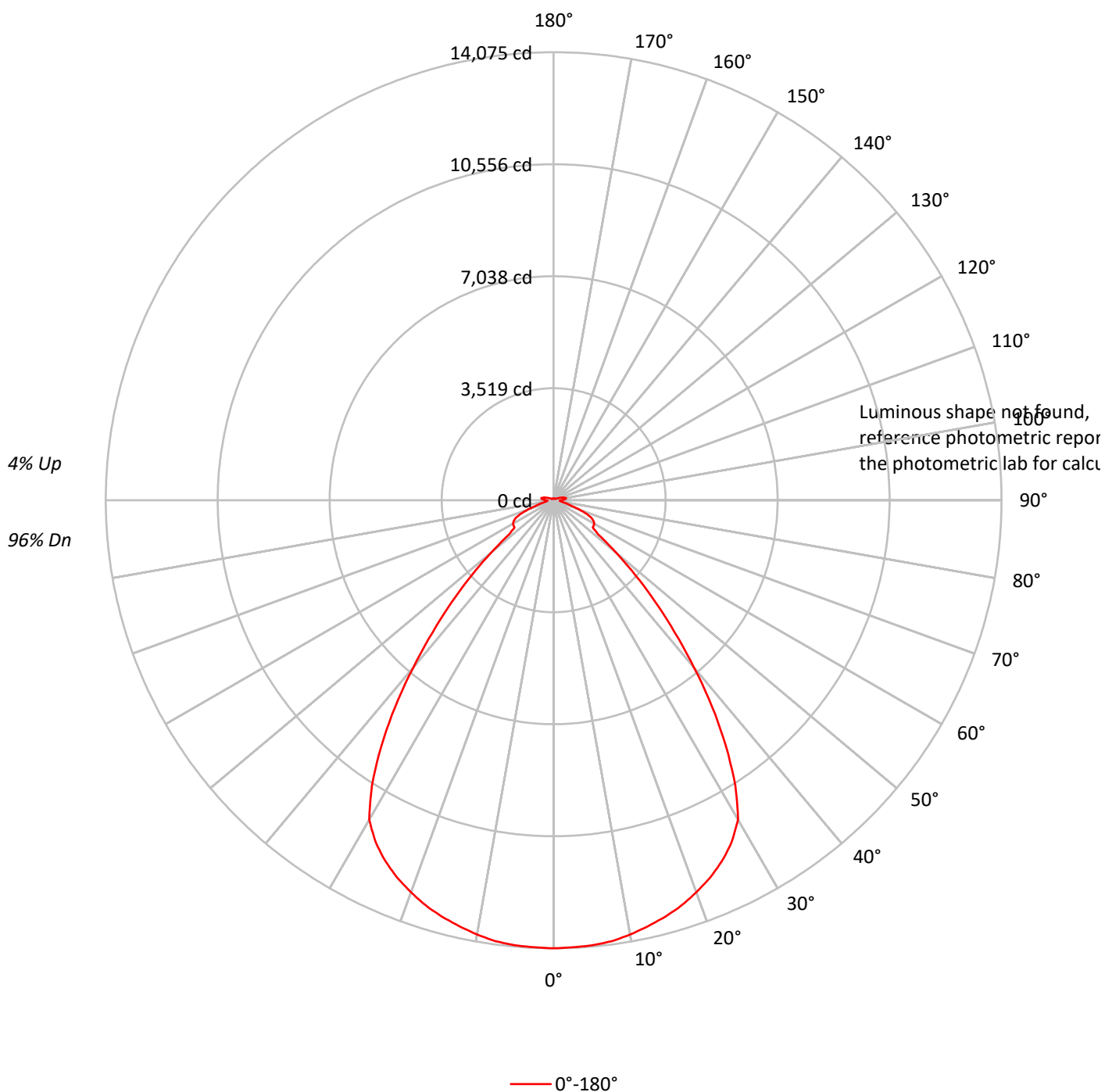
Lumens per Lamp: N/A
Luminaire Lumens: 24795.2 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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	96		
1	110	107	103	100	107	104	101	98	99	97	94	95	93	91	90	89	87	85		
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	87	81	76	93	85	80	75	82	77	73	79	75	71	76	73	70	67		
4	89	79	72	67	87	78	71	66	75	69	65	72	68	64	70	66	62	60		
5	83	73	65	60	81	71	64	59	69	63	58	67	61	57	64	60	56	55		
6	78	67	59	54	76	66	59	53	63	57	53	62	56	52	60	55	51	49		
7	73	61	54	49	71	60	53	49	59	52	48	57	51	47	55	50	47	45		
8	68	57	50	45	67	56	49	44	54	48	44	53	47	43	52	47	43	41		
9	64	53	46	41	63	52	45	41	51	45	40	49	44	40	48	43	39	38		
10	61	49	42	38	59	48	42	37	47	41	37	46	41	37	45	40	36	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°	1334.2	5.4
10°-20°	3822.2	15.4
20°-30°	5744.1	23.2
30°-40°	5829.5	23.5
40°-50°	3507.9	14.1
50°-60°	1508.3	6.1
60°-70°	1239.0	5.0
70°-80°	509.0	2.1
80°-90°	230.4	0.9
90°-100°	369.3	1.5
100°-110°	335.8	1.4
110°-120°	156.1	0.6
120°-130°	69.4	0.3
130°-140°	52.3	0.2
140°-150°	40.2	0.2
150°-160°	27.3	0.1
160°-170°	15.4	0.1
170°-180°	4.6	0.0
0°-30°	10900.5	44.0
0°-40°	16730.0	67.5
0°-60°	21746.2	87.7
0°-90°	23724.7	95.7
90°-120°	861.2	3.5
90°-150°	1023.1	4.1
90°-180°	1070.0	4.3
0°-180°	24795.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14075	
5°	14035	###
15°	13546	3822
25°	12513	5744
35°	9452	5829
45°	4524	3508
55°	1500	1508
65°	1312	1239
75°	439	509
85°	192	170
90°	237	133
95°	354	296
105°	319	336
115°	151	156
125°	73	69
135°	68	52
145°	64	40
155°	59	27
165°	54	15
175°	49	5
180°	50	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14075.4
2.5°	14058.9
5°	14035.0
7.5°	13973.1
10°	13855.9
12.5°	13705.0
15°	13545.7
17.5°	13352.7
20°	13106.0
22.5°	12837.1
25°	12512.8
27.5°	12115.2
30°	11591.3
32.5°	10626.9
35°	9452.1
37.5°	8182.4
40°	6869.0
42.5°	5625.7
45°	4523.5
47.5°	3496.4
50°	2546.0
52.5°	1758.9
55°	1499.9
57.5°	1490.8
60°	1471.0
62.5°	1413.2
65°	1311.8
67.5°	1117.1
70°	861.3
72.5°	616.3
75°	438.9
77.5°	323.4
80°	248.3
82.5°	206.3
85°	192.2
87.5°	203.8
90°	236.8
92.5°	294.5
95°	353.9
97.5°	391.1
100°	393.5
102.5°	362.2
105°	319.3
107.5°	273.9
110°	230.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	188.9
115°	151.0
117.5°	121.3
120°	99.0
122.5°	83.3
125°	73.4
127.5°	68.5
130°	66.8
132.5°	66.8
135°	67.7
137.5°	68.5
140°	67.7
142.5°	66.0
145°	63.5
147.5°	61.9
150°	60.2
152.5°	59.4
155°	58.6
157.5°	58.6
160°	57.8
162.5°	56.1
165°	54.5
167.5°	52.0
170°	49.5
172.5°	47.9
175°	48.7
177.5°	49.5
180°	49.5

(END OF REPORT)