

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: P1505207

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505207
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-112)
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-TRWH-PS (3000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

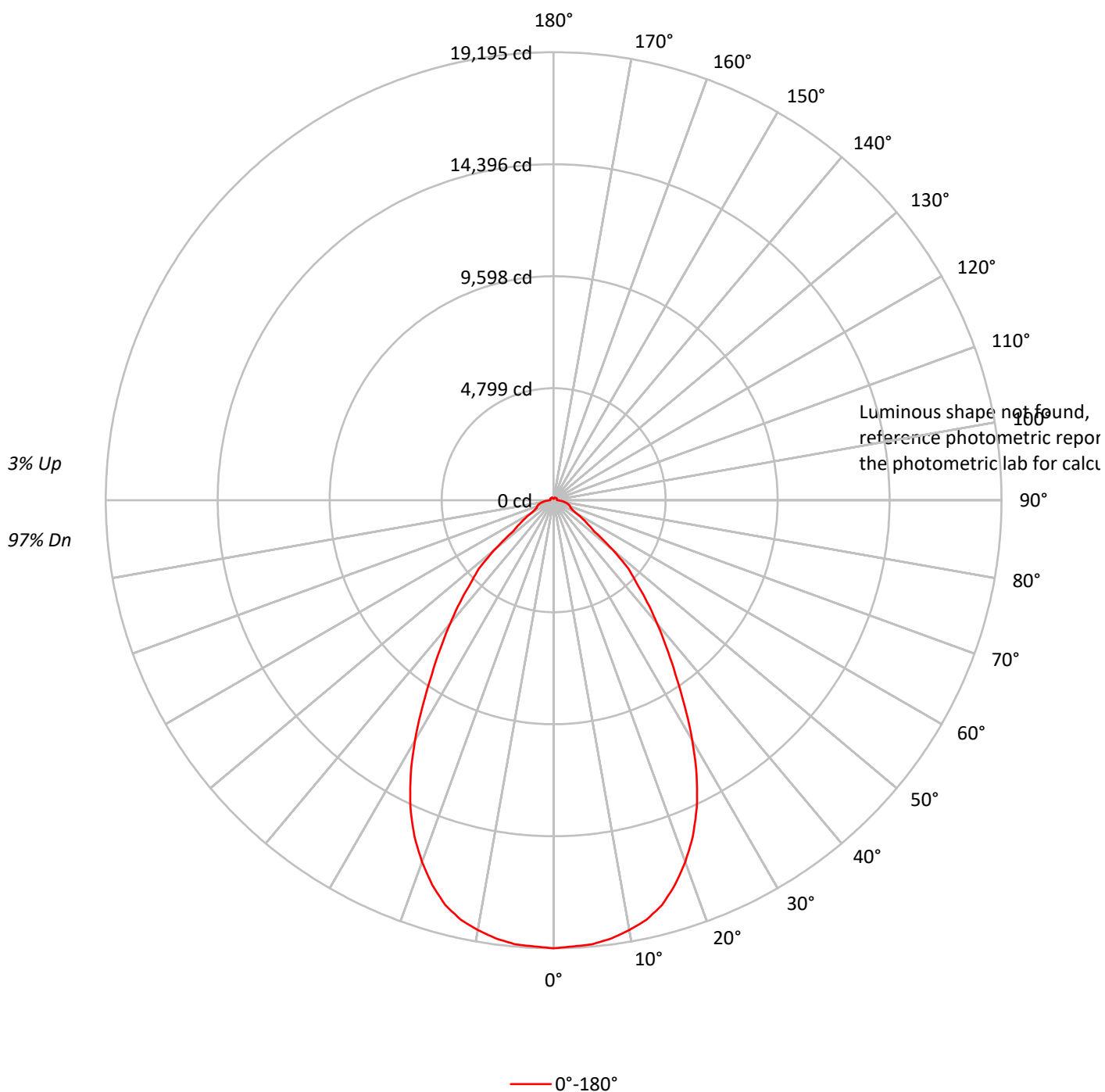
Lumens per Lamp: N/A
Luminaire Lumens: 27524.7 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 199.4
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





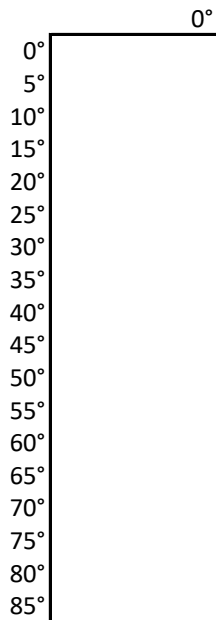
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	97	95	95	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	84	82	84	82	79	77		
3	97	88	82	77	94	87	81	76	84	79	75	81	76	73	78	74	71	69		
4	90	81	74	69	88	79	73	68	77	71	67	74	70	66	72	68	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	62	59	57		
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52		
7	75	63	56	51	73	63	56	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	51	47	57	51	46	55	50	46	54	49	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	46	42	51	46	42	41		
10	63	51	45	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1809.6	6.6
10°-20°	5016.1	18.2
20°-30°	6598.0	24.0
30°-40°	5726.7	20.8
40°-50°	3919.9	14.2
50°-60°	1701.1	6.2
60°-70°	857.6	3.1
70°-80°	672.8	2.4
80°-90°	352.8	1.3
90°-100°	162.5	0.6
100°-110°	159.6	0.6
110°-120°	147.7	0.5
120°-130°	128.0	0.5
130°-140°	105.0	0.4
140°-150°	82.7	0.3
150°-160°	53.6	0.2
160°-170°	24.5	0.1
170°-180°	6.3	0.0
0°-30°	13423.8	48.8
0°-40°	19150.5	69.6
0°-60°	24771.5	90.0
0°-90°	26654.7	96.8
90°-120°	469.8	1.7
90°-150°	785.5	2.9
90°-180°	870.0	3.2
0°-180°	27524.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19195	
5°	19094	###
15°	17950	5016
25°	14517	6598
35°	9098	5727
45°	5024	3920
55°	1787	1701
65°	823	858
75°	646	673
85°	325	300
90°	149	93
95°	149	122
105°	151	160
115°	149	148
125°	143	128
135°	135	105
145°	132	83
155°	115	54
165°	84	25
175°	64	6
180°	62	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19194.7
2.5°	19135.2
5°	19093.5
7.5°	18937.6
10°	18700.3
12.5°	18404.4
15°	17949.7
17.5°	17286.4
20°	16488.1
22.5°	15586.5
25°	14517.2
27.5°	13266.1
30°	11890.0
32.5°	10435.4
35°	9097.9
37.5°	7928.3
40°	6895.7
42.5°	5946.5
45°	5024.1
47.5°	4354.9
50°	3319.3
52.5°	2198.3
55°	1787.2
57.5°	1445.7
60°	1133.9
62.5°	928.4
65°	823.1
67.5°	774.5
70°	744.7
72.5°	703.0
75°	646.4
77.5°	576.9
80°	497.4
82.5°	413.0
85°	324.7
87.5°	234.3
90°	148.9
92.5°	146.9
95°	148.9
97.5°	149.9
100°	150.9
102.5°	150.9
105°	150.9
107.5°	150.9
110°	150.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	149.9
115°	148.9
117.5°	147.9
120°	146.0
122.5°	144.0
125°	143.0
127.5°	141.0
130°	139.0
132.5°	137.0
135°	135.0
137.5°	134.0
140°	133.0
142.5°	132.1
145°	132.1
147.5°	131.1
150°	129.1
152.5°	122.1
155°	115.2
157.5°	108.2
160°	100.3
162.5°	92.3
165°	84.4
167.5°	77.4
170°	72.5
172.5°	66.5
175°	63.5
177.5°	61.6
180°	61.6

(END OF REPORT)