

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: P1505576

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505576
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-124)
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-TRWH-PS (3500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

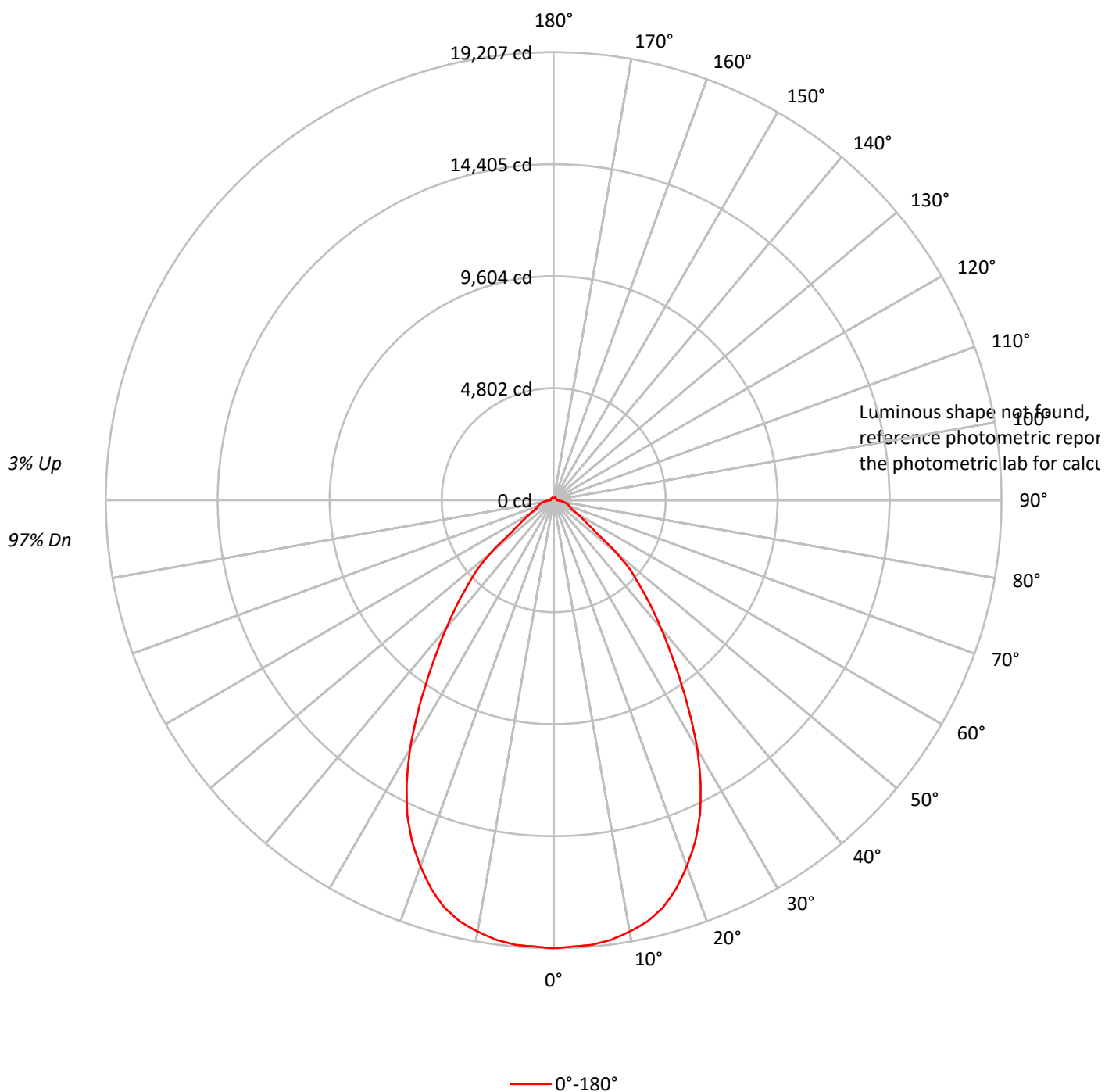
Lumens per Lamp: N/A
Luminaire Lumens: 27986.8 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.02
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 195.9
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	110	110	110	104	104	104	100	100	100	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	87		
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	82	80	78		
3	97	89	82	77	94	87	81	77	84	79	75	81	77	73	78	75	72	70		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	72	68	65	63		
5	85	74	67	62	83	73	67	62	71	65	61	69	64	60	67	63	59	57		
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	62	58	54	52		
7	75	64	56	51	73	63	56	51	61	55	51	59	54	50	58	53	50	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	43	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°	1814.6	6.5
10°-20°	5057.7	18.1
20°-30°	6751.2	24.1
30°-40°	5956.4	21.3
40°-50°	4092.5	14.6
50°-60°	1762.8	6.3
60°-70°	851.2	3.0
70°-80°	624.0	2.2
80°-90°	303.4	1.1
90°-100°	137.3	0.5
100°-110°	137.1	0.5
110°-120°	129.0	0.5
120°-130°	114.0	0.4
130°-140°	95.1	0.3
140°-150°	75.0	0.3
150°-160°	51.4	0.2
160°-170°	26.3	0.1
170°-180°	7.7	0.0
0°-30°	13623.4	48.7
0°-40°	19579.9	70.0
0°-60°	25435.2	90.9
0°-90°	27213.8	97.2
90°-120°	403.5	1.4
90°-150°	687.6	2.5
90°-180°	773.0	2.8
0°-180°	27986.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19207	
5°	19129	###
15°	18085	5058
25°	14849	6751
35°	9491	5956
45°	5267	4093
55°	1794	1763
65°	813	851
75°	598	624
85°	276	259
90°	129	79
95°	125	103
105°	130	137
115°	130	129
125°	127	114
135°	122	95
145°	119	75
155°	111	51
165°	91	26
175°	79	8
180°	79	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19207
2.5°	19155
5°	19129
7.5°	19000
10°	18778
12.5°	18504
15°	18085
17.5°	17464
20°	16700
22.5°	15853
25°	14849
27.5°	13644
30°	12321
32.5°	10868
35°	9491
37.5°	8237
40°	7153
42.5°	6199
45°	5267
47.5°	4510
50°	3554
52.5°	2331
55°	1794
57.5°	1461
60°	1157
62.5°	934
65°	813
67.5°	757
70°	716
72.5°	665
75°	598
77.5°	522
80°	441
82.5°	358
85°	276
87.5°	195
90°	129
92.5°	123
95°	125
97.5°	127
100°	128
102.5°	129
105°	130
107.5°	130
110°	131

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	130
115°	130
117.5°	130
120°	129
122.5°	128
125°	127
127.5°	126
130°	125
132.5°	124
135°	122
137.5°	122
140°	121
142.5°	120
145°	119
147.5°	119
150°	118
152.5°	115
155°	111
157.5°	106
160°	102
162.5°	97
165°	91
167.5°	87
170°	83
172.5°	80
175°	79
177.5°	79
180°	79

(END OF REPORT)