

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: P1505243

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (6500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505243
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 (6500K_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

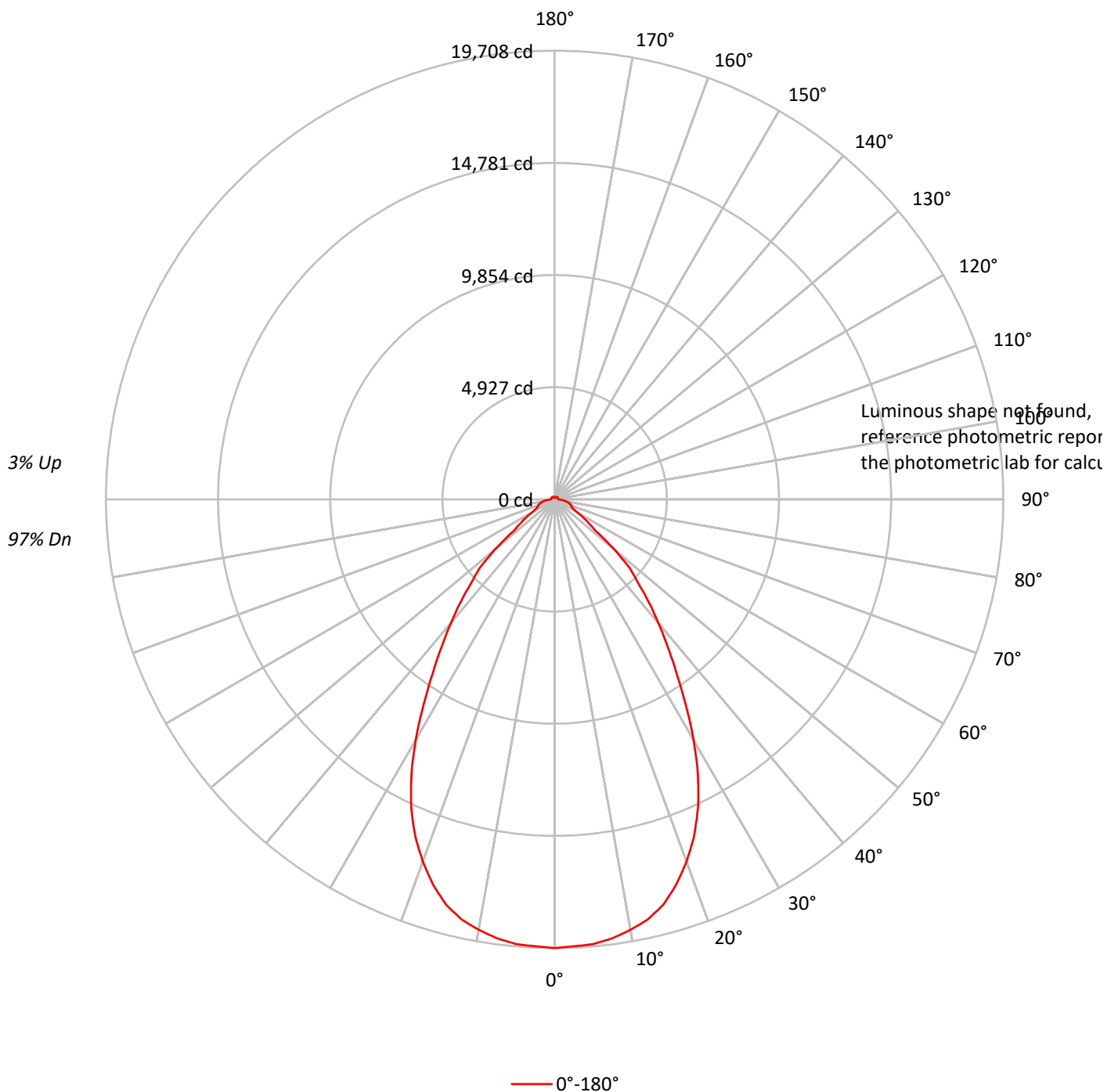
Lumens per Lamp: N/A
Luminaire Lumens: 28260.7 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 200.1
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





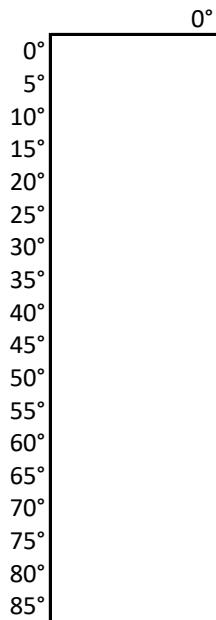
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	91	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°	1858.0	6.6
10°-20°	5150.2	18.2
20°-30°	6774.4	24.0
30°-40°	5879.8	20.8
40°-50°	4024.7	14.2
50°-60°	1746.5	6.2
60°-70°	880.6	3.1
70°-80°	690.7	2.4
80°-90°	362.3	1.3
90°-100°	166.8	0.6
100°-110°	164.0	0.6
110°-120°	151.7	0.5
120°-130°	131.4	0.5
130°-140°	107.8	0.4
140°-150°	84.9	0.3
150°-160°	55.1	0.2
160°-170°	25.2	0.1
170°-180°	6.5	0.0
0°-30°	13782.6	48.8
0°-40°	19662.4	69.6
0°-60°	25433.7	90.0
0°-90°	27367.3	96.8
90°-120°	482.5	1.7
90°-150°	806.6	2.9
90°-180°	893.0	3.2
0°-180°	28260.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19708	
5°	19604	###
15°	18430	5150
25°	14905	6774
35°	9341	5880
45°	5158	4025
55°	1835	1747
65°	845	881
75°	664	691
85°	333	308
90°	153	96
95°	153	125
105°	155	164
115°	153	152
125°	147	131
135°	139	108
145°	136	85
155°	118	55
165°	87	25
175°	65	6
180°	63	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19707.9
2.5°	19646.7
5°	19603.9
7.5°	19443.9
10°	19200.2
12.5°	18896.4
15°	18429.5
17.5°	17748.5
20°	16928.9
22.5°	16003.2
25°	14905.3
27.5°	13620.8
30°	12207.8
32.5°	10714.4
35°	9341.2
37.5°	8140.3
40°	7080.0
42.5°	6105.5
45°	5158.4
47.5°	4471.3
50°	3408.0
52.5°	2257.1
55°	1835.0
57.5°	1484.3
60°	1164.2
62.5°	953.2
65°	845.1
67.5°	795.2
70°	764.6
72.5°	721.8
75°	663.7
77.5°	592.3
80°	510.7
82.5°	424.1
85°	333.4
87.5°	240.6
90°	152.9
92.5°	150.9
95°	152.9
97.5°	153.9
100°	155.0
102.5°	155.0
105°	155.0
107.5°	155.0
110°	155.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	153.9
115°	152.9
117.5°	151.9
120°	149.9
122.5°	147.8
125°	146.8
127.5°	144.8
130°	142.7
132.5°	140.7
135°	138.6
137.5°	137.6
140°	136.6
142.5°	135.6
145°	135.6
147.5°	134.6
150°	132.5
152.5°	125.4
155°	118.3
157.5°	111.1
160°	103.0
162.5°	94.8
165°	86.7
167.5°	79.5
170°	74.4
172.5°	68.3
175°	65.2
177.5°	63.2
180°	63.2

(END OF REPORT)