

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: P1505387

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505387
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-100)
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-04-TRWH-PS (3000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

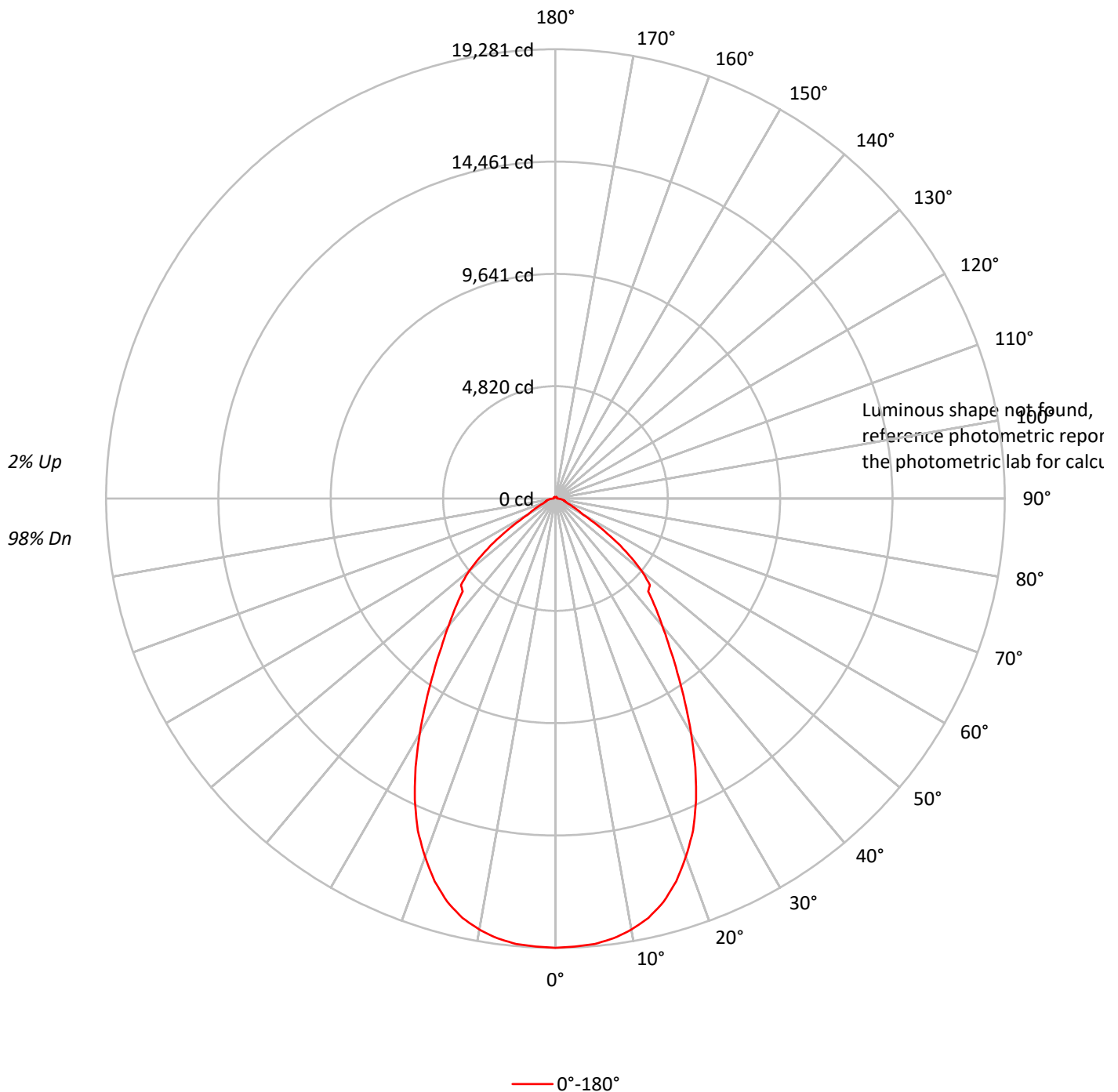
Lumens per Lamp: N/A
Luminaire Lumens: 28245.7 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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





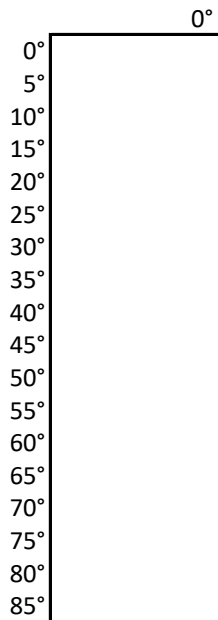
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	98		
1	111	108	105	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	69	88	80	73	68	77	71	67	75	70	66	73	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	64	60	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	57	54	52		
7	74	63	56	50	73	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	58	51	46	56	50	46	55	49	45	54	49	45	43		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1818.8	6.4
10°-20°	5007.2	17.7
20°-30°	6494.2	23.0
30°-40°	5735.7	20.3
40°-50°	4517.2	16.0
50°-60°	2715.0	9.6
60°-70°	851.6	3.0
70°-80°	433.5	1.5
80°-90°	215.9	0.8
90°-100°	78.1	0.3
100°-110°	79.1	0.3
110°-120°	74.6	0.3
120°-130°	66.3	0.2
130°-140°	56.5	0.2
140°-150°	46.8	0.2
150°-160°	32.6	0.1
160°-170°	17.4	0.1
170°-180°	5.3	0.0
0°-30°	13320.3	47.2
0°-40°	19056.0	67.5
0°-60°	26288.1	93.1
0°-90°	27789.1	98.4
90°-120°	231.8	0.8
90°-150°	401.3	1.4
90°-180°	457.0	1.6
0°-180°	28245.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19281	
5°	19191	###
15°	17922	5007
25°	14273	6494
35°	9119	5736
45°	5628	4517
55°	3075	2715
65°	831	852
75°	408	433
85°	199	188
90°	70	47
95°	72	59
105°	74	79
115°	76	75
125°	74	66
135°	72	56
145°	74	47
155°	70	33
165°	61	17
175°	56	5
180°	56	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19281.1
2.5°	19242.4
5°	19190.8
7.5°	19037.9
10°	18785.7
12.5°	18432.2
15°	17921.8
17.5°	17221.9
20°	16362.0
22.5°	15423.7
25°	14272.9
27.5°	12990.1
30°	11628.8
32.5°	10335.1
35°	9118.8
37.5°	8042.5
40°	7129.0
42.5°	6343.6
45°	5627.8
47.5°	5494.7
50°	4826.5
52.5°	3971.6
55°	3075.0
57.5°	2106.9
60°	1349.4
62.5°	1070.3
65°	831.1
67.5°	626.5
70°	502.4
72.5°	443.8
75°	408.1
77.5°	375.3
80°	325.7
82.5°	265.1
85°	198.6
87.5°	131.1
90°	70.5
92.5°	70.5
95°	71.5
97.5°	72.5
100°	73.5
102.5°	74.5
105°	74.5
107.5°	75.5
110°	75.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	75.5
115°	75.5
117.5°	74.5
120°	74.5
122.5°	74.5
125°	73.5
127.5°	73.5
130°	73.5
132.5°	73.5
135°	72.5
137.5°	72.5
140°	72.5
142.5°	73.5
145°	74.5
147.5°	75.5
150°	76.5
152.5°	72.5
155°	69.5
157.5°	67.5
160°	65.5
162.5°	63.5
165°	60.6
167.5°	58.6
170°	56.6
172.5°	54.6
175°	55.6
177.5°	55.6
180°	55.6

(END OF REPORT)