

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: P1505405

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (4000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505405
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 (4000K_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

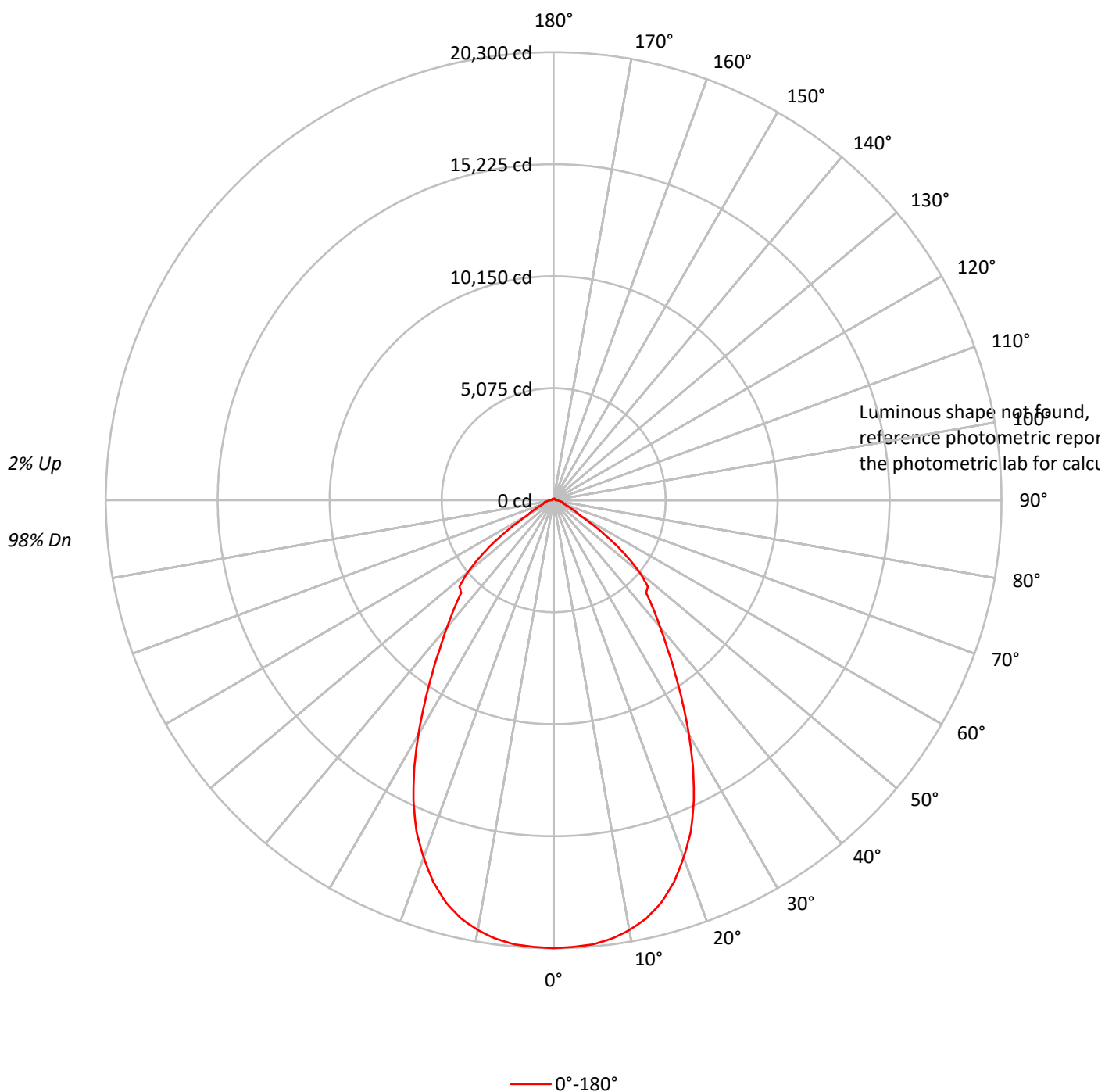
Lumens per Lamp: N/A
Luminaire Lumens: 29738.5 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 194.3
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



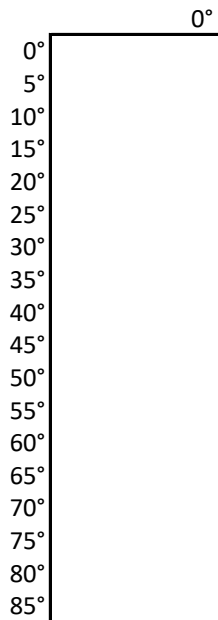
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101
1	111	108	105	102	109	105	102	100	101	99	96	97	95	93	93	92	90
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81
3	97	89	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72
4	90	81	74	69	88	80	73	68	77	71	67	75	70	66	73	68	65
5	84	74	67	61	82	73	66	61	71	65	60	69	64	60	67	62	59
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	57	54
7	74	63	56	50	73	62	55	50	60	54	50	59	53	49	58	53	49
8	70	58	51	46	68	58	51	46	56	50	46	55	49	45	54	49	45
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	50	45	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	47	42	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°	1915.0	6.4
10°-20°	5271.9	17.7
20°-30°	6837.5	23.0
30°-40°	6038.9	20.3
40°-50°	4755.9	16.0
50°-60°	2858.5	9.6
60°-70°	896.6	3.0
70°-80°	456.4	1.5
80°-90°	227.3	0.8
90°-100°	82.3	0.3
100°-110°	83.2	0.3
110°-120°	78.5	0.3
120°-130°	69.8	0.2
130°-140°	59.4	0.2
140°-150°	49.2	0.2
150°-160°	34.3	0.1
160°-170°	18.3	0.1
170°-180°	5.6	0.0
0°-30°	14024.3	47.2
0°-40°	20063.2	67.5
0°-60°	27677.6	93.1
0°-90°	29257.9	98.4
90°-120°	243.9	0.8
90°-150°	422.3	1.4
90°-180°	481.0	1.6
0°-180°	29738.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20300	
5°	20205	###
15°	18869	5272
25°	15027	6838
35°	9601	6039
45°	5925	4756
55°	3238	2858
65°	875	897
75°	430	456
85°	209	198
90°	74	49
95°	75	62
105°	78	83
115°	79	78
125°	77	70
135°	76	59
145°	78	49
155°	73	34
165°	64	18
175°	58	6
180°	58	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20300.2
2.5°	20259.4
5°	20205.1
7.5°	20044.1
10°	19778.6
12.5°	19406.4
15°	18869.1
17.5°	18132.1
20°	17226.8
22.5°	16238.9
25°	15027.3
27.5°	13676.7
30°	12243.5
32.5°	10881.3
35°	9600.8
37.5°	8467.6
40°	7505.8
42.5°	6678.9
45°	5925.2
47.5°	5785.1
50°	5081.6
52.5°	4181.5
55°	3237.5
57.5°	2218.3
60°	1420.7
62.5°	1126.9
65°	875.0
67.5°	659.6
70°	529.0
72.5°	467.3
75°	429.7
77.5°	395.2
80°	342.9
82.5°	279.1
85°	209.1
87.5°	138.0
90°	74.2
92.5°	74.2
95°	75.3
97.5°	76.3
100°	77.4
102.5°	78.4
105°	78.4
107.5°	79.4
110°	79.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	79.4
115°	79.4
117.5°	78.4
120°	78.4
122.5°	78.4
125°	77.4
127.5°	77.4
130°	77.4
132.5°	77.4
135°	76.3
137.5°	76.3
140°	76.3
142.5°	77.4
145°	78.4
147.5°	79.4
150°	80.5
152.5°	76.3
155°	73.2
157.5°	71.1
160°	69.0
162.5°	66.9
165°	63.8
167.5°	61.7
170°	59.6
172.5°	57.5
175°	58.5
177.5°	58.5
180°	58.5

(END OF REPORT)