

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: P1505028

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505028
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-68)
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-04-TRWH-PS (3000K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

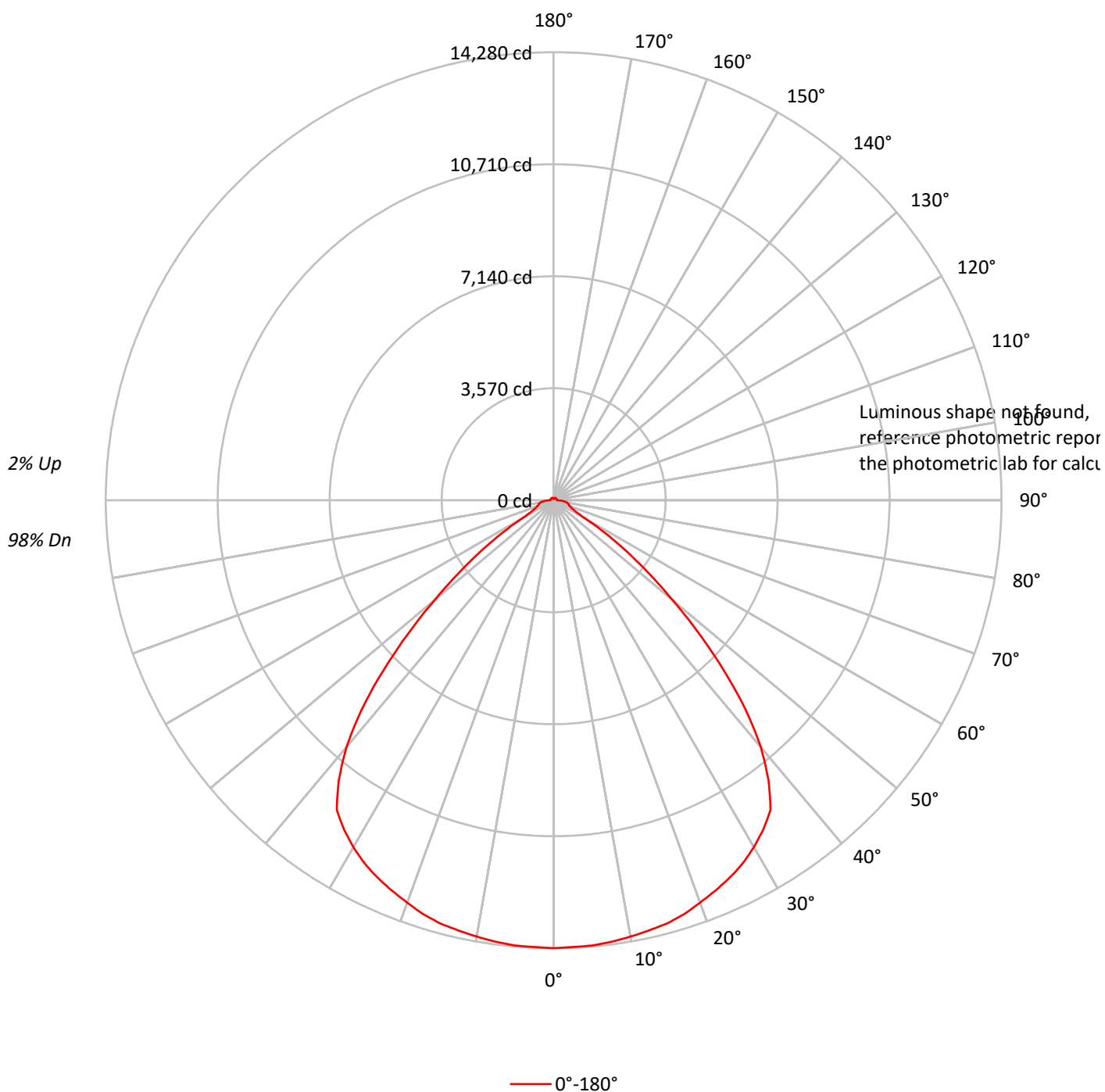
Lumens per Lamp: N/A
Luminaire Lumens: 29384.9 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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



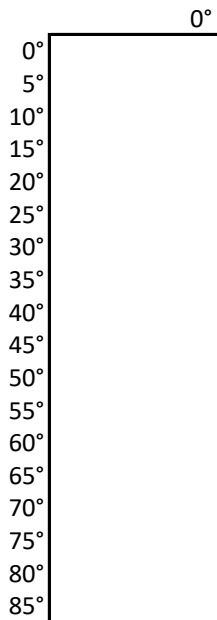
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100			98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89			87
2	103	97	91	87	100	95	90	86	91	87	83	88	84	81	84	82	79			77
3	96	87	81	75	93	86	80	75	83	77	73	80	75	72	77	73	70			68
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63			61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	56			54
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	51			49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46			44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41			40
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35			33

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1355.6	4.6
10°-20°	3942.7	13.4
20°-30°	6122.1	20.8
30°-40°	7394.0	25.2
40°-50°	5877.8	20.0
50°-60°	2572.0	8.8
60°-70°	722.9	2.5
70°-80°	516.8	1.8
80°-90°	312.0	1.1
90°-100°	107.4	0.4
100°-110°	103.9	0.4
110°-120°	95.5	0.3
120°-130°	83.0	0.3
130°-140°	68.7	0.2
140°-150°	54.7	0.2
150°-160°	35.5	0.1
160°-170°	16.1	0.1
170°-180°	4.1	0.0
0°-30°	11420.5	38.9
0°-40°	18814.5	64.0
0°-60°	27264.3	92.8
0°-90°	28816.0	98.1
90°-120°	306.7	1.0
90°-150°	513.2	1.7
90°-180°	569.0	1.9
0°-180°	29384.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14280	
5°	14246	###
15°	13964	3943
25°	13279	6122
35°	12054	7394
45°	7685	5878
55°	2828	2572
65°	683	723
75°	490	517
85°	302	270
90°	105	70
95°	97	80
105°	98	104
115°	96	96
125°	92	83
135°	89	69
145°	88	55
155°	76	36
165°	54	16
175°	41	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14279.6
2.5°	14253.3
5°	14245.6
7.5°	14195.0
10°	14121.0
12.5°	14045.1
15°	13964.3
17.5°	13833.9
20°	13648.0
22.5°	13469.0
25°	13279.2
27.5°	13051.5
30°	12767.3
32.5°	12440.3
35°	12053.9
37.5°	11254.0
40°	10277.9
42.5°	9074.0
45°	7685.3
47.5°	6281.9
50°	4949.6
52.5°	3813.9
55°	2828.1
57.5°	1933.7
60°	1124.0
62.5°	813.6
65°	683.2
67.5°	596.6
70°	542.1
72.5°	514.8
75°	490.5
77.5°	466.2
80°	426.3
82.5°	373.7
85°	301.7
87.5°	204.4
90°	105.1
92.5°	96.3
95°	97.3
97.5°	98.3
100°	98.3
102.5°	98.3
105°	98.3
107.5°	98.3
110°	97.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	97.3
115°	96.3
117.5°	95.4
120°	94.4
122.5°	93.4
125°	92.5
127.5°	91.5
130°	90.5
132.5°	89.5
135°	88.6
137.5°	87.6
140°	87.6
142.5°	87.6
145°	87.6
147.5°	86.6
150°	85.6
152.5°	81.7
155°	75.9
157.5°	71.0
160°	66.2
162.5°	60.3
165°	54.5
167.5°	51.6
170°	46.7
172.5°	43.8
175°	40.9
177.5°	39.9
180°	39.9

(END OF REPORT)