

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: P1505348

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505348
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-94)
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-CLER-PS (3500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

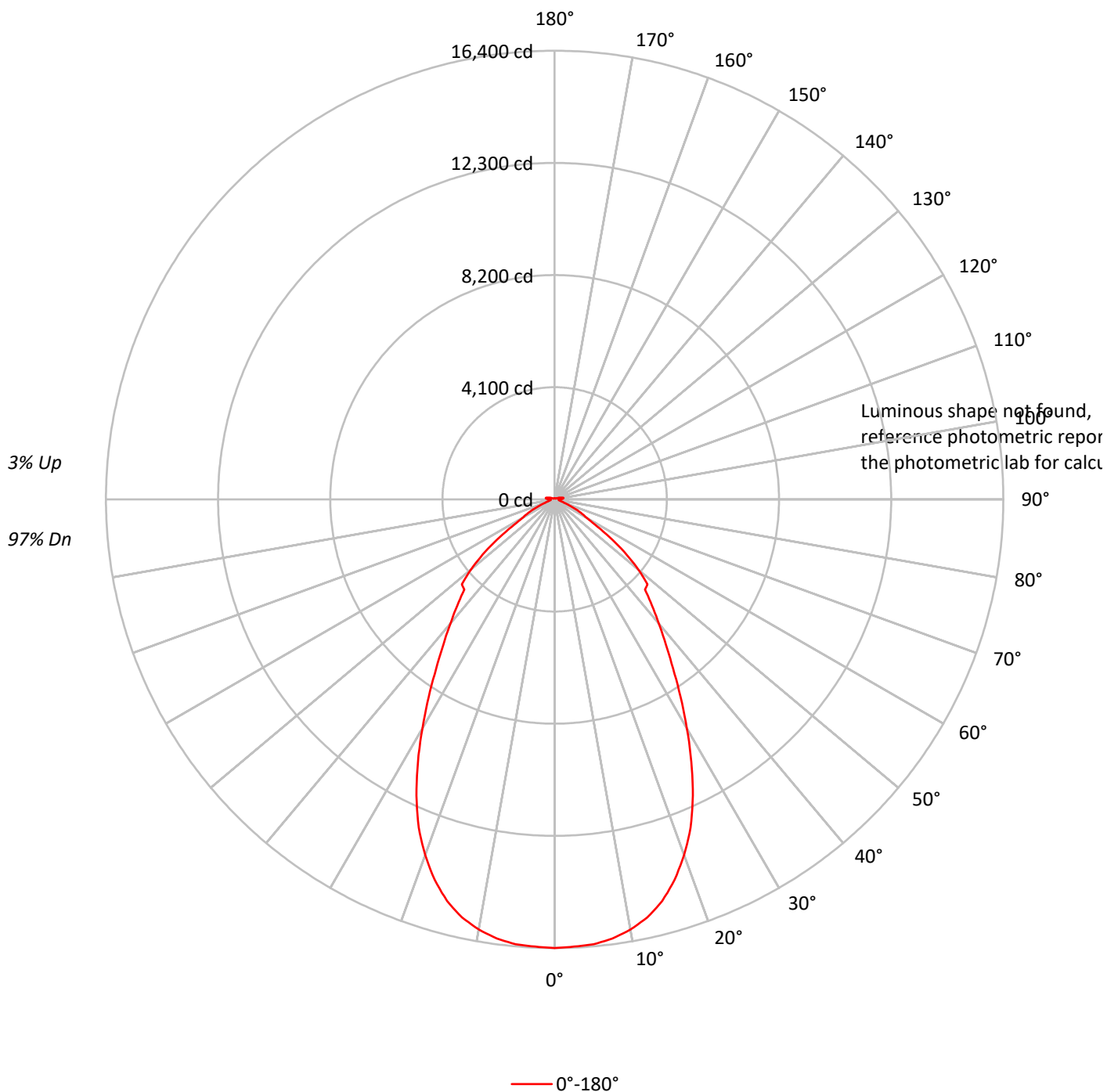
Lumens per Lamp: N/A
Luminaire Lumens: 24164.2 lumens
Efficiency: N/A
Efficacy: 153.4 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 157.5
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





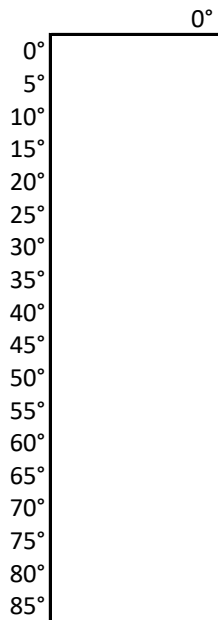
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	98	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	84	82	84	82	79	77		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	73	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	46	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	49	45	41	39		
10	62	50	43	39	60	50	43	39	49	43	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3500K_L24_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1546.7	6.4
10°-20°	4244.9	17.6
20°-30°	5440.2	22.5
30°-40°	4753.5	19.7
40°-50°	3756.1	15.5
50°-60°	2312.4	9.6
60°-70°	853.0	3.5
70°-80°	254.4	1.1
80°-90°	174.8	0.7
90°-100°	315.5	1.3
100°-110°	274.0	1.1
110°-120°	112.0	0.5
120°-130°	42.5	0.2
130°-140°	29.3	0.1
140°-150°	23.9	0.1
150°-160°	17.4	0.1
160°-170°	10.2	0.0
170°-180°	3.4	0.0
0°-30°	11231.9	46.5
0°-40°	15985.3	66.2
0°-60°	22053.8	91.3
0°-90°	23336.1	96.6
90°-120°	701.5	2.9
90°-150°	797.1	3.3
90°-180°	828.0	3.4
0°-180°	24164.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16400	
5°	16326	###
15°	15198	4245
25°	11954	5440
35°	7537	4753
45°	4667	3756
55°	2592	2312
65°	864	853
75°	220	254
85°	146	123
90°	208	116
95°	304	251
105°	263	274
115°	106	112
125°	45	42
135°	37	29
145°	38	24
155°	37	17
165°	36	10
175°	36	3
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16400.5
2.5°	16361.5
5°	16325.8
7.5°	16188.8
10°	15968.7
12.5°	15650.7
15°	15198.1
17.5°	14581.9
20°	13838.7
22.5°	12980.1
25°	11953.7
27.5°	10821.0
30°	9668.4
32.5°	8560.7
35°	7536.8
37.5°	6669.0
40°	5920.0
42.5°	5265.6
45°	4666.9
47.5°	4599.6
50°	4000.9
52.5°	3312.5
55°	2592.5
57.5°	1837.7
60°	1345.3
62.5°	1122.7
65°	863.6
67.5°	602.0
70°	402.7
72.5°	281.5
75°	220.1
77.5°	184.4
80°	156.1
82.5°	142.8
85°	146.2
87.5°	169.4
90°	208.4
92.5°	259.1
95°	303.9
97.5°	328.0
100°	323.9
102.5°	298.9
105°	263.2
107.5°	220.9
110°	177.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	138.7
115°	106.3
117.5°	82.2
120°	64.8
122.5°	52.3
125°	44.8
127.5°	39.9
130°	38.2
132.5°	37.4
135°	37.4
137.5°	38.2
140°	38.2
142.5°	38.2
145°	38.2
147.5°	37.4
150°	38.2
152.5°	37.4
155°	37.4
157.5°	37.4
160°	37.4
162.5°	36.5
165°	35.7
167.5°	35.7
170°	34.9
172.5°	35.7
175°	36.5
177.5°	38.2
180°	38.2

(END OF REPORT)