

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: P1504989

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504989
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-84)
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-CLER-PS (3500K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

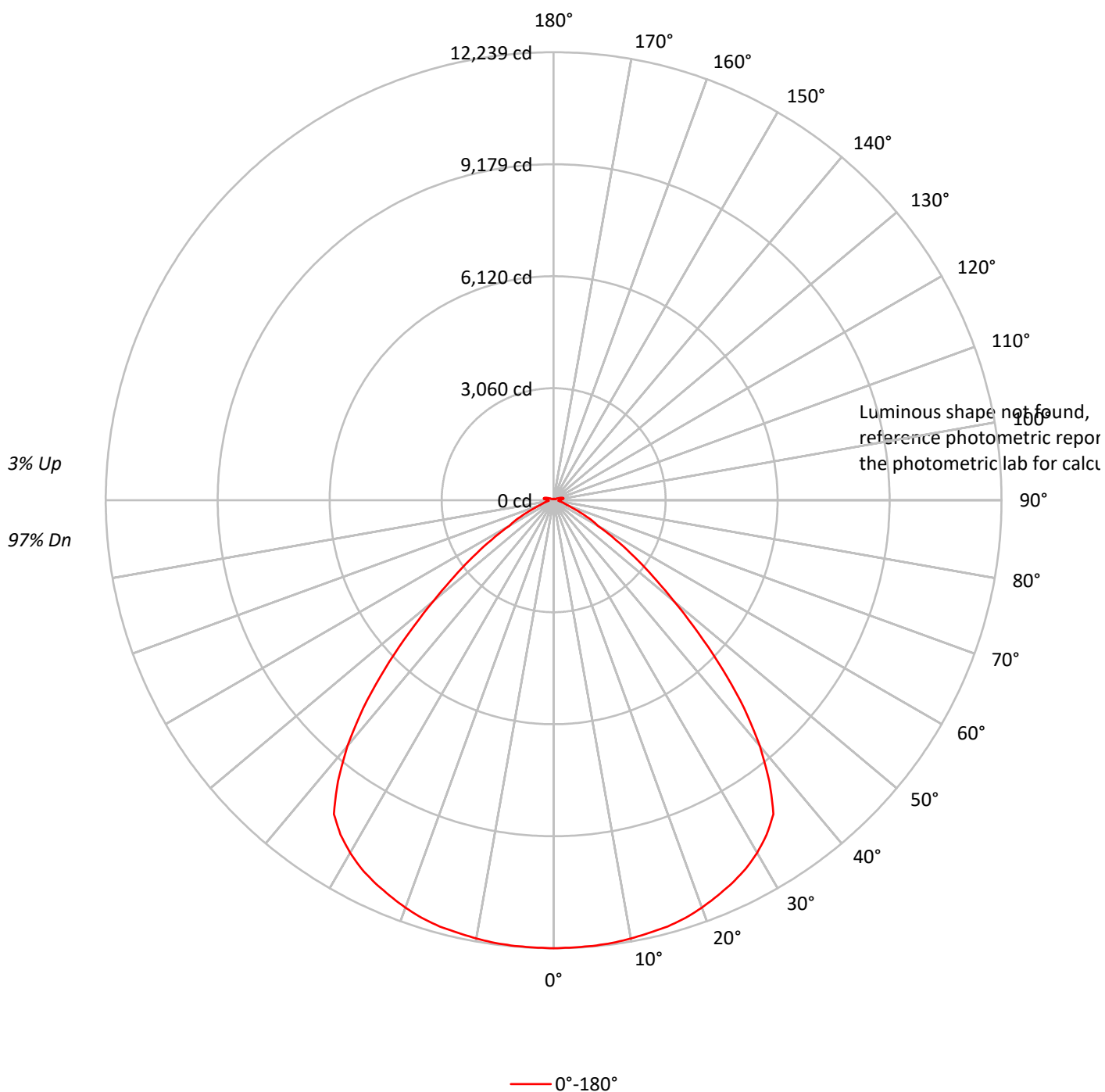
Lumens per Lamp: N/A
Luminaire Lumens: 25810.2 lumens
Efficiency: N/A
Efficacy: 163.9 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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



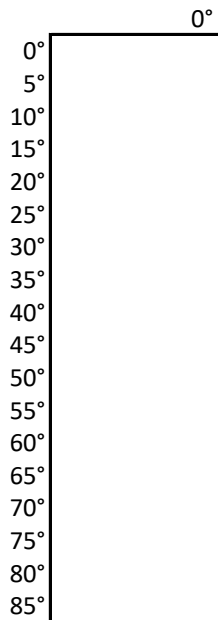
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	95	96	94	92	92	90	89	87		
2	103	97	91	87	100	94	90	85	91	87	83	87	84	81	84	81	79	77		
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	76	73	70	68		
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	66	62	60		
5	83	72	64	58	80	70	63	58	68	62	57	66	61	56	64	59	56	54		
6	77	65	58	52	75	64	57	52	62	56	51	60	55	51	59	54	50	48		
7	72	60	52	47	70	59	52	47	57	51	46	56	50	46	54	49	45	43		
8	67	55	47	42	65	54	47	42	53	46	42	51	46	41	50	45	41	39		
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37	36		
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	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°	1164.6	4.5
10°-20°	3406.1	13.2
20°-30°	5322.7	20.6
30°-40°	6399.5	24.8
40°-50°	5006.2	19.4
50°-60°	2432.5	9.4
60°-70°	852.3	3.3
70°-80°	292.2	1.1
80°-90°	156.5	0.6
90°-100°	240.8	0.9
100°-110°	258.0	1.0
110°-120°	126.0	0.5
120°-130°	51.7	0.2
130°-140°	36.1	0.1
140°-150°	30.2	0.1
150°-160°	21.2	0.1
160°-170°	10.7	0.0
170°-180°	2.9	0.0
0°-30°	9893.4	38.3
0°-40°	16292.9	63.1
0°-60°	23731.6	91.9
0°-90°	25032.5	97.0
90°-120°	624.8	2.4
90°-150°	742.8	2.9
90°-180°	778.0	3.0
0°-180°	25810.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12239	
5°	12222	###
15°	12052	3406
25°	11543	5323
35°	10469	6399
45°	6530	5006
55°	2690	2433
65°	842	852
75°	269	292
85°	130	118
90°	149	84
95°	226	195
105°	251	258
115°	123	126
125°	55	52
135°	46	36
145°	48	30
155°	46	21
165°	37	11
175°	29	3
180°	27	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12239.3
2.5°	12227.7
5°	12221.9
7.5°	12199.5
10°	12157.1
12.5°	12101.5
15°	12052.5
17.5°	11968.6
20°	11843.2
22.5°	11697.1
25°	11542.6
27.5°	11357.5
30°	11123.3
32.5°	10836.0
35°	10468.9
37.5°	9682.5
40°	8761.6
42.5°	7700.4
45°	6530.3
47.5°	5352.0
50°	4284.9
52.5°	3413.8
55°	2689.7
57.5°	2007.9
60°	1401.7
62.5°	1142.6
65°	842.0
67.5°	573.0
70°	406.1
72.5°	321.4
75°	269.1
77.5°	224.2
80°	180.2
82.5°	147.8
85°	130.4
87.5°	131.2
90°	148.6
92.5°	185.2
95°	225.9
97.5°	259.9
100°	276.5
102.5°	270.7
105°	250.8
107.5°	220.9
110°	186.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	152.8
115°	122.9
117.5°	97.2
120°	77.2
122.5°	63.9
125°	54.8
127.5°	49.0
130°	46.5
132.5°	45.7
135°	46.5
137.5°	47.3
140°	47.3
142.5°	48.2
145°	48.2
147.5°	48.2
150°	48.2
152.5°	47.3
155°	45.7
157.5°	44.0
160°	42.4
162.5°	39.9
165°	37.4
167.5°	34.9
170°	32.4
172.5°	30.7
175°	29.1
177.5°	28.2
180°	27.4

(END OF REPORT)