

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: P1504998

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (4000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504998
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 (4000K_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

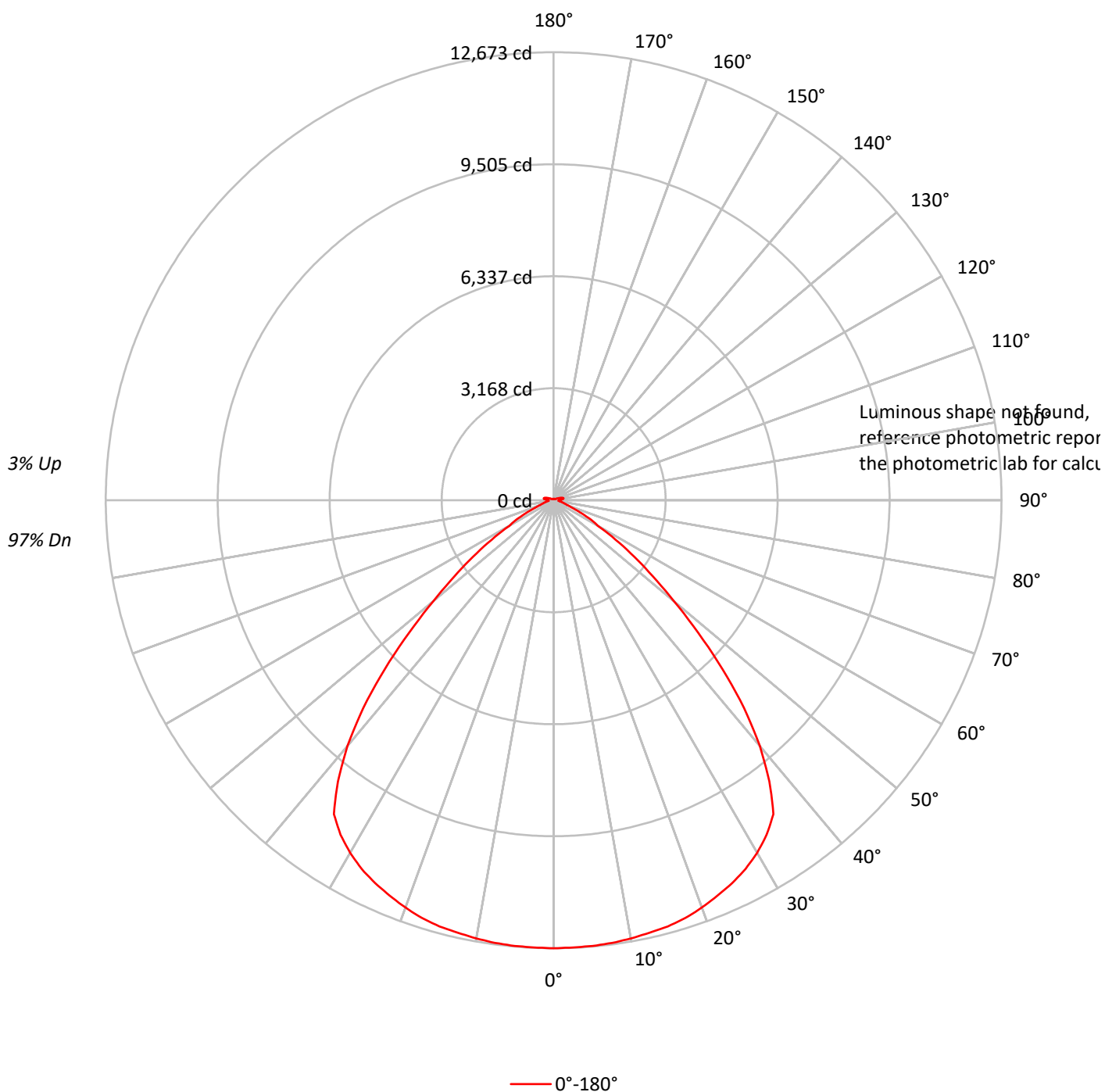
Lumens per Lamp: N/A
Luminaire Lumens: 26724.2 lumens
Efficiency: N/A
Efficacy: 171.6 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 155.7
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





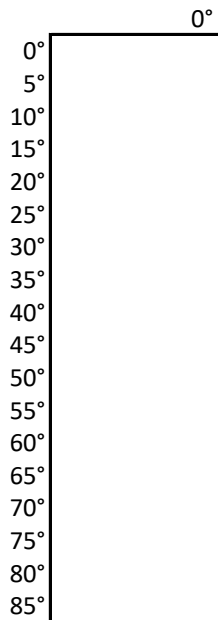
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1205.9	4.5
10°-20°	3526.7	13.2
20°-30°	5511.2	20.6
30°-40°	6626.1	24.8
40°-50°	5183.5	19.4
50°-60°	2518.7	9.4
60°-70°	882.5	3.3
70°-80°	302.5	1.1
80°-90°	162.0	0.6
90°-100°	249.3	0.9
100°-110°	267.1	1.0
110°-120°	130.5	0.5
120°-130°	53.6	0.2
130°-140°	37.3	0.1
140°-150°	31.3	0.1
150°-160°	21.9	0.1
160°-170°	11.1	0.0
170°-180°	3.0	0.0
0°-30°	10243.8	38.3
0°-40°	16869.9	63.1
0°-60°	24572.0	91.9
0°-90°	25919.1	97.0
90°-120°	646.9	2.4
90°-150°	769.1	2.9
90°-180°	805.0	3.0
0°-180°	26724.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12673	
5°	12655	###
15°	12479	3527
25°	11951	5511
35°	10840	6626
45°	6762	5183
55°	2785	2519
65°	872	883
75°	279	302
85°	135	122
90°	154	87
95°	234	202
105°	260	267
115°	127	130
125°	57	54
135°	48	37
145°	50	31
155°	47	22
165°	39	11
175°	30	3
180°	28	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12672.8
2.5°	12660.8
5°	12654.8
7.5°	12631.5
10°	12587.7
12.5°	12530.1
15°	12479.4
17.5°	12392.5
20°	12262.7
22.5°	12111.4
25°	11951.4
27.5°	11759.7
30°	11517.2
32.5°	11219.7
35°	10839.7
37.5°	10025.4
40°	9071.9
42.5°	7973.1
45°	6761.6
47.5°	5541.5
50°	4436.6
52.5°	3534.7
55°	2784.9
57.5°	2079.0
60°	1451.4
62.5°	1183.1
65°	871.9
67.5°	593.3
70°	420.4
72.5°	332.7
75°	278.6
77.5°	232.2
80°	186.6
82.5°	153.0
85°	135.0
87.5°	135.9
90°	153.9
92.5°	191.7
95°	233.9
97.5°	269.1
100°	286.3
102.5°	280.3
105°	259.7
107.5°	228.7
110°	193.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	158.2
115°	127.3
117.5°	100.6
120°	80.0
122.5°	66.2
125°	56.7
127.5°	50.7
130°	48.1
132.5°	47.3
135°	48.1
137.5°	49.0
140°	49.0
142.5°	49.9
145°	49.9
147.5°	49.9
150°	49.9
152.5°	49.0
155°	47.3
157.5°	45.6
160°	43.9
162.5°	41.3
165°	38.7
167.5°	36.1
170°	33.5
172.5°	31.8
175°	30.1
177.5°	29.2
180°	28.4

(END OF REPORT)