

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: P1504986

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504986
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 (3000K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

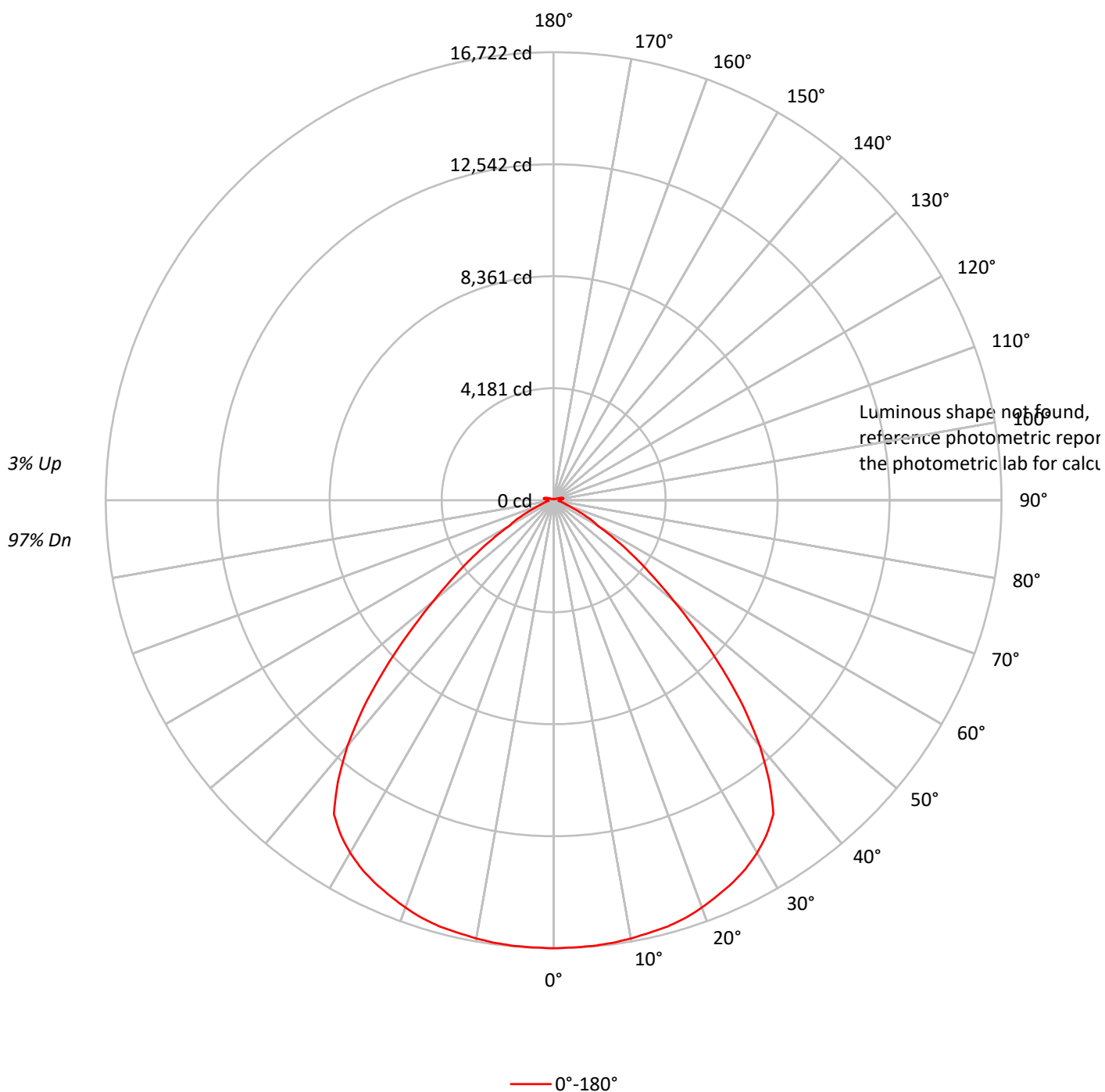
Lumens per Lamp: N/A
Luminaire Lumens: 35262.1 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 237.6
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	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	99	99			
1	111	107	104	101	108	105	102	99	100	98	95	96	94	92	92	90	89	89	89	89	89	87			
2	103	97	91	87	100	94	90	85	91	87	83	87	84	81	84	81	79	79	79	79	79	77			
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	76	73	70	70	70	70	70	68			
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	66	62	62	62	62	62	60			
5	83	72	64	58	80	70	63	58	68	62	57	66	61	56	64	59	56	56	56	56	56	54			
6	77	65	58	52	75	64	57	52	62	56	51	60	55	51	59	54	50	50	50	50	50	48			
7	72	60	52	47	70	59	52	47	57	51	46	56	50	46	54	49	45	45	45	45	45	43			
8	67	55	47	42	65	54	47	42	53	46	42	51	46	41	50	45	41	41	41	41	41	39			
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37	37	37	37	37	36			
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	34	34	34	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°	1591.1	4.5
10°-20°	4653.4	13.2
20°-30°	7272.0	20.6
30°-40°	8743.0	24.8
40°-50°	6839.5	19.4
50°-60°	3323.4	9.4
60°-70°	1164.5	3.3
70°-80°	399.2	1.1
80°-90°	213.8	0.6
90°-100°	329.0	0.9
100°-110°	352.5	1.0
110°-120°	172.1	0.5
120°-130°	70.7	0.2
130°-140°	49.3	0.1
140°-150°	41.2	0.1
150°-160°	28.9	0.1
160°-170°	14.7	0.0
170°-180°	3.9	0.0
0°-30°	13516.5	38.3
0°-40°	22259.5	63.1
0°-60°	32422.4	91.9
0°-90°	34199.8	97.0
90°-120°	853.6	2.4
90°-150°	1014.8	2.9
90°-180°	1062.0	3.0
0°-180°	35262.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16722	
5°	16698	###
15°	16466	4653
25°	15770	7272
35°	14303	8743
45°	8922	6839
55°	3675	3323
65°	1150	1164
75°	368	399
85°	178	161
90°	203	115
95°	309	267
105°	343	352
115°	168	172
125°	75	71
135°	64	49
145°	66	41
155°	62	29
165°	51	15
175°	40	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16721.5
2.5°	16705.6
5°	16697.7
7.5°	16667.1
10°	16609.2
12.5°	16533.2
15°	16466.3
17.5°	16351.7
20°	16180.4
22.5°	15980.7
25°	15769.7
27.5°	15516.7
30°	15196.7
32.5°	14804.2
35°	14302.8
37.5°	13228.4
40°	11970.2
42.5°	10520.3
45°	8921.8
47.5°	7311.9
50°	5854.1
52.5°	4664.0
55°	3674.7
57.5°	2743.2
60°	1915.1
62.5°	1561.1
65°	1150.4
67.5°	782.8
70°	554.8
72.5°	439.1
75°	367.6
77.5°	306.3
80°	246.2
82.5°	201.9
85°	178.1
87.5°	179.3
90°	203.1
92.5°	253.0
95°	308.6
97.5°	355.1
100°	377.8
102.5°	369.8
105°	342.6
107.5°	301.8
110°	255.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	208.7
115°	167.9
117.5°	132.7
120°	105.5
122.5°	87.4
125°	74.9
127.5°	66.9
130°	63.5
132.5°	62.4
135°	63.5
137.5°	64.7
140°	64.7
142.5°	65.8
145°	65.8
147.5°	65.8
150°	65.8
152.5°	64.7
155°	62.4
157.5°	60.1
160°	57.9
162.5°	54.5
165°	51.1
167.5°	47.6
170°	44.2
172.5°	42.0
175°	39.7
177.5°	38.6
180°	37.4

(END OF REPORT)