

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: P1505341

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505341
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-95)
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 (3000K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

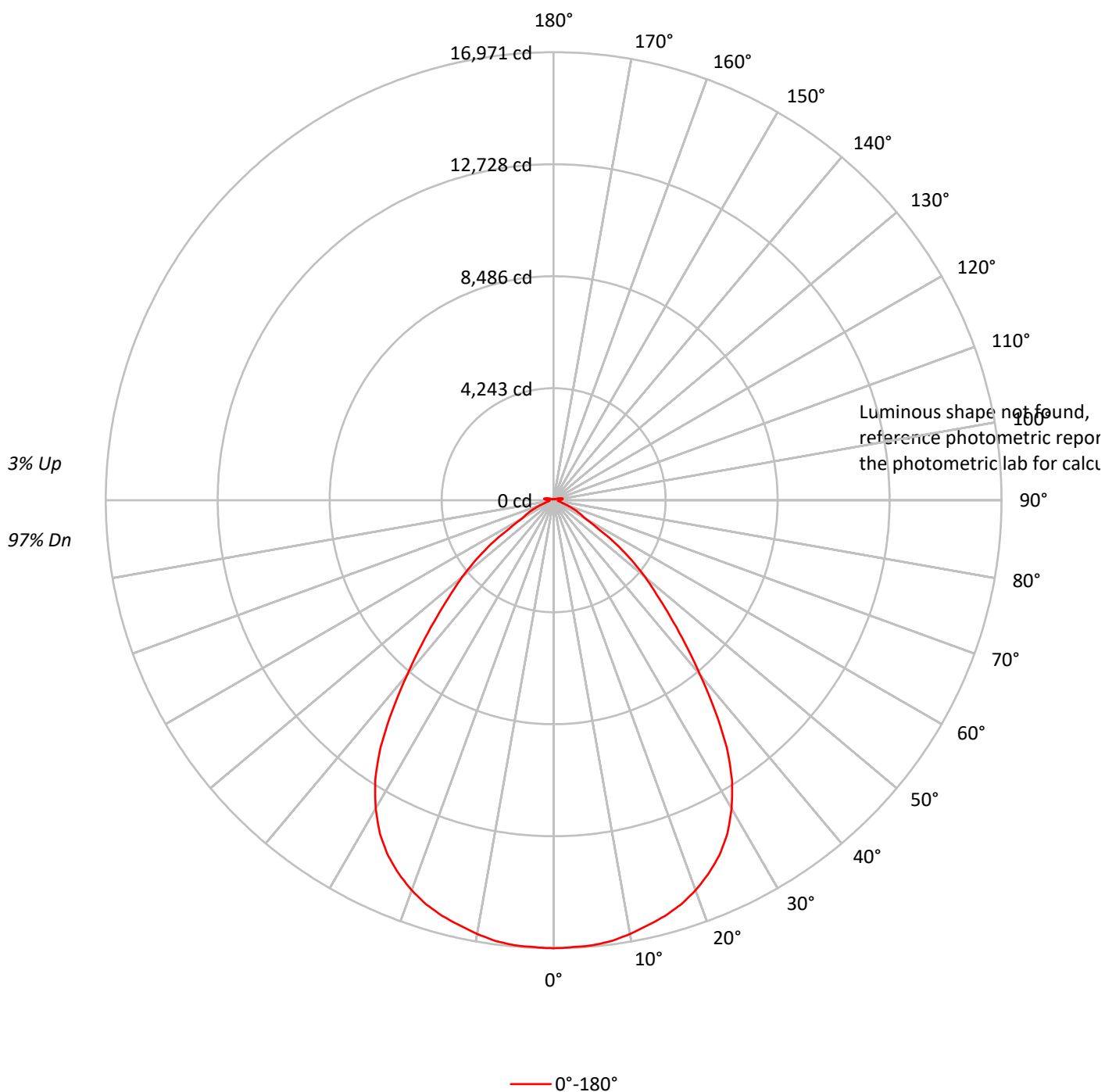
Lumens per Lamp: N/A
Luminaire Lumens: 29838.3 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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



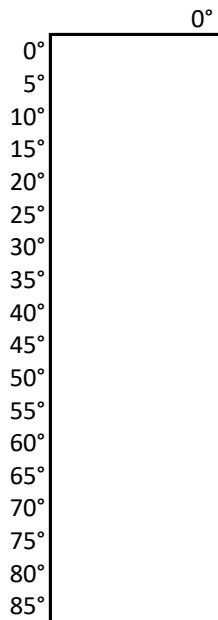
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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	85	82	84	82	80	78		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	73	68	88	79	72	67	76	70	66	74	69	65	71	67	64	62		
5	84	73	66	60	82	72	65	60	70	64	59	68	62	58	66	61	57	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	45	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38		
10	61	49	42	38	60	49	42	37	47	41	37	46	41	37	45	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1607.8	5.4
10°-20°	4596.4	15.4
20°-30°	6800.4	22.8
30°-40°	7025.2	23.5
40°-50°	4891.8	16.4
50°-60°	2557.6	8.6
60°-70°	923.7	3.1
70°-80°	316.4	1.1
80°-90°	191.0	0.6
90°-100°	335.0	1.1
100°-110°	304.4	1.0
110°-120°	132.5	0.4
120°-130°	52.5	0.2
130°-140°	36.6	0.1
140°-150°	29.8	0.1
150°-160°	21.3	0.1
160°-170°	12.0	0.0
170°-180°	3.8	0.0
0°-30°	13004.6	43.6
0°-40°	20029.8	67.1
0°-60°	27479.2	92.1
0°-90°	28910.3	96.9
90°-120°	771.9	2.6
90°-150°	890.8	3.0
90°-180°	928.0	3.1
0°-180°	29838.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16971	
5°	16926	###
15°	16299	4596
25°	14847	6800
35°	11441	7025
45°	6251	4892
55°	2892	2558
65°	942	924
75°	275	316
85°	160	137
90°	214	120
95°	323	269
105°	292	304
115°	127	132
125°	56	52
135°	47	37
145°	48	30
155°	46	21
165°	42	12
175°	41	4
180°	42	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16970.6
2.5°	16943.8
5°	16926.0
7.5°	16839.6
10°	16681.7
12.5°	16493.1
15°	16299.4
17.5°	16052.2
20°	15724.6
22.5°	15325.4
25°	14846.8
27.5°	14248.1
30°	13486.6
32.5°	12580.0
35°	11441.2
37.5°	10034.2
40°	8637.2
42.5°	7368.3
45°	6251.3
47.5°	5295.1
50°	4516.7
52.5°	3707.5
55°	2892.3
57.5°	1985.8
60°	1368.2
62.5°	1168.6
65°	942.3
67.5°	701.0
70°	498.4
72.5°	359.4
75°	275.0
77.5°	224.4
80°	185.7
82.5°	162.8
85°	159.9
87.5°	177.7
90°	213.5
92.5°	269.1
95°	322.7
97.5°	353.5
100°	353.5
102.5°	328.6
105°	291.9
107.5°	249.2
110°	204.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	162.8
115°	127.1
117.5°	99.3
120°	78.4
122.5°	64.5
125°	55.6
127.5°	49.6
130°	47.7
132.5°	46.7
135°	46.7
137.5°	47.7
140°	48.7
142.5°	47.7
145°	47.7
147.5°	46.7
150°	46.7
152.5°	46.7
155°	45.7
157.5°	45.7
160°	44.7
162.5°	43.7
165°	41.7
167.5°	40.7
170°	39.7
172.5°	39.7
175°	40.7
177.5°	40.7
180°	41.7

(END OF REPORT)