

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: P1505354

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505354
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_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

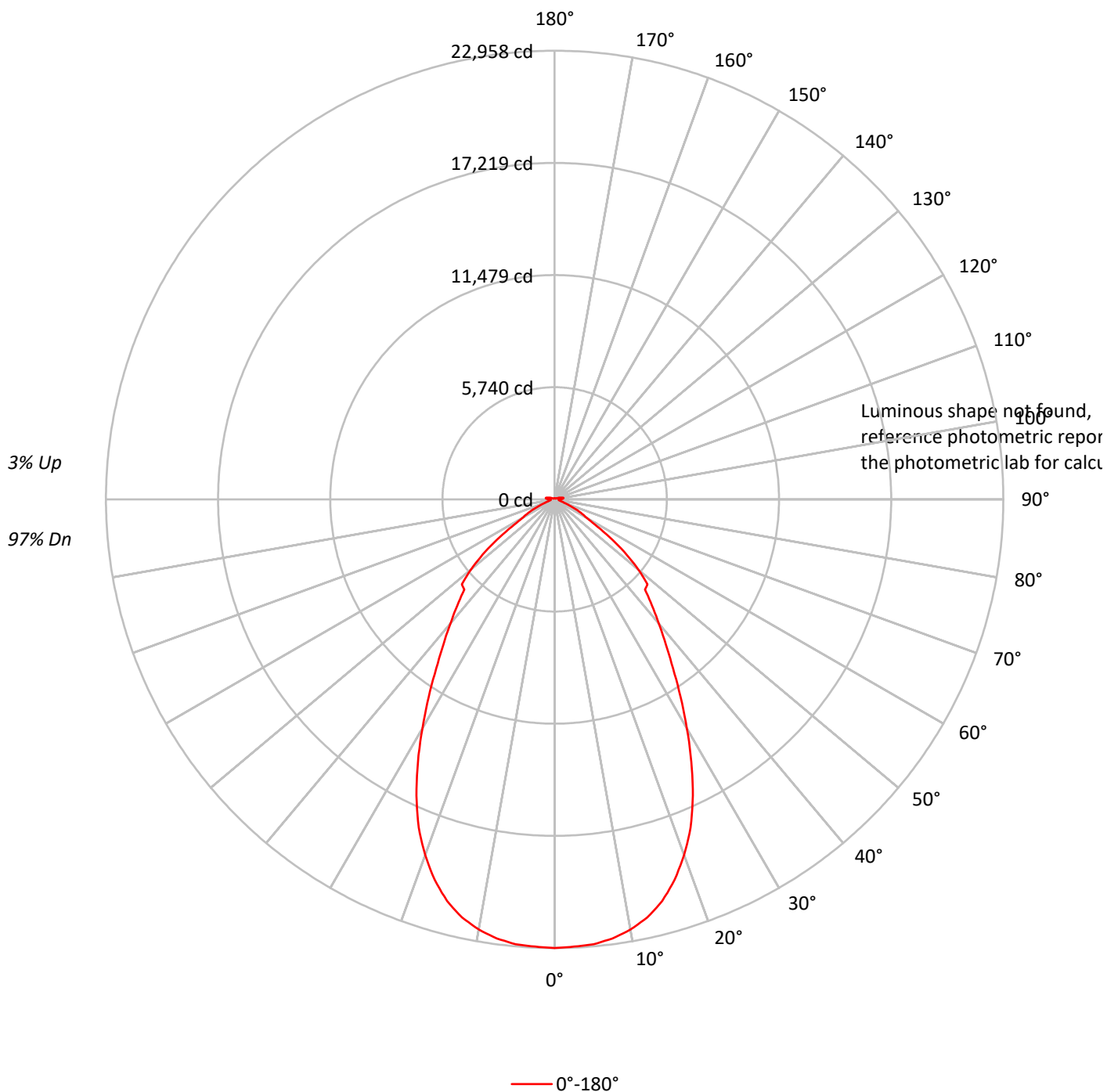
Lumens per Lamp: N/A
Luminaire Lumens: 33826.3 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 235.4
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





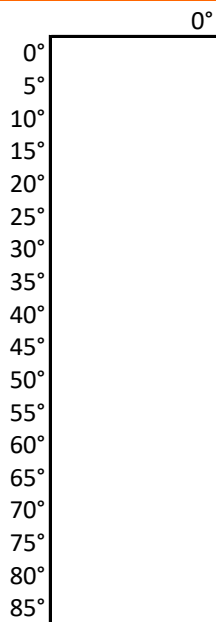
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2165.1	6.4
10°-20°	5942.3	17.6
20°-30°	7615.5	22.5
30°-40°	6654.1	19.7
40°-50°	5258.0	15.5
50°-60°	3237.0	9.6
60°-70°	1194.1	3.5
70°-80°	356.2	1.1
80°-90°	244.7	0.7
90°-100°	441.7	1.3
100°-110°	383.6	1.1
110°-120°	156.8	0.5
120°-130°	59.5	0.2
130°-140°	41.0	0.1
140°-150°	33.4	0.1
150°-160°	24.3	0.1
160°-170°	14.3	0.0
170°-180°	4.8	0.0
0°-30°	15722.9	46.5
0°-40°	22377.0	66.2
0°-60°	30872.1	91.3
0°-90°	32667.0	96.6
90°-120°	982.0	2.9
90°-150°	1115.9	3.3
90°-180°	1159.0	3.4
0°-180°	33826.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22958	
5°	22854	###
15°	21275	5942
25°	16733	7616
35°	10550	6654
45°	6533	5258
55°	3629	3237
65°	1209	1194
75°	308	356
85°	205	172
90°	292	162
95°	426	352
105°	368	384
115°	149	157
125°	63	59
135°	52	41
145°	54	33
155°	52	24
165°	50	14
175°	51	5
180°	54	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22958.3
2.5°	22903.6
5°	22853.7
7.5°	22661.9
10°	22353.8
12.5°	21908.6
15°	21275.1
17.5°	20412.5
20°	19372.1
22.5°	18170.2
25°	16733.4
27.5°	15147.8
30°	13534.3
32.5°	11983.6
35°	10550.3
37.5°	9335.6
40°	8287.1
42.5°	7371.1
45°	6532.9
47.5°	6438.8
50°	5600.7
52.5°	4637.0
55°	3629.2
57.5°	2572.5
60°	1883.2
62.5°	1571.6
65°	1208.9
67.5°	842.8
70°	563.8
72.5°	394.1
75°	308.0
77.5°	258.1
80°	218.5
82.5°	199.9
85°	204.6
87.5°	237.1
90°	291.8
92.5°	362.7
95°	425.5
97.5°	459.2
100°	453.4
102.5°	418.5
105°	368.5
107.5°	309.2
110°	248.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	194.1
115°	148.8
117.5°	115.1
120°	90.7
122.5°	73.2
125°	62.8
127.5°	55.8
130°	53.5
132.5°	52.3
135°	52.3
137.5°	53.5
140°	53.5
142.5°	53.5
145°	53.5
147.5°	52.3
150°	53.5
152.5°	52.3
155°	52.3
157.5°	52.3
160°	52.3
162.5°	51.1
165°	50.0
167.5°	50.0
170°	48.8
172.5°	50.0
175°	51.1
177.5°	53.5
180°	53.5

(END OF REPORT)