

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: P1505382

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (6500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505382
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-96)
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 (6500K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

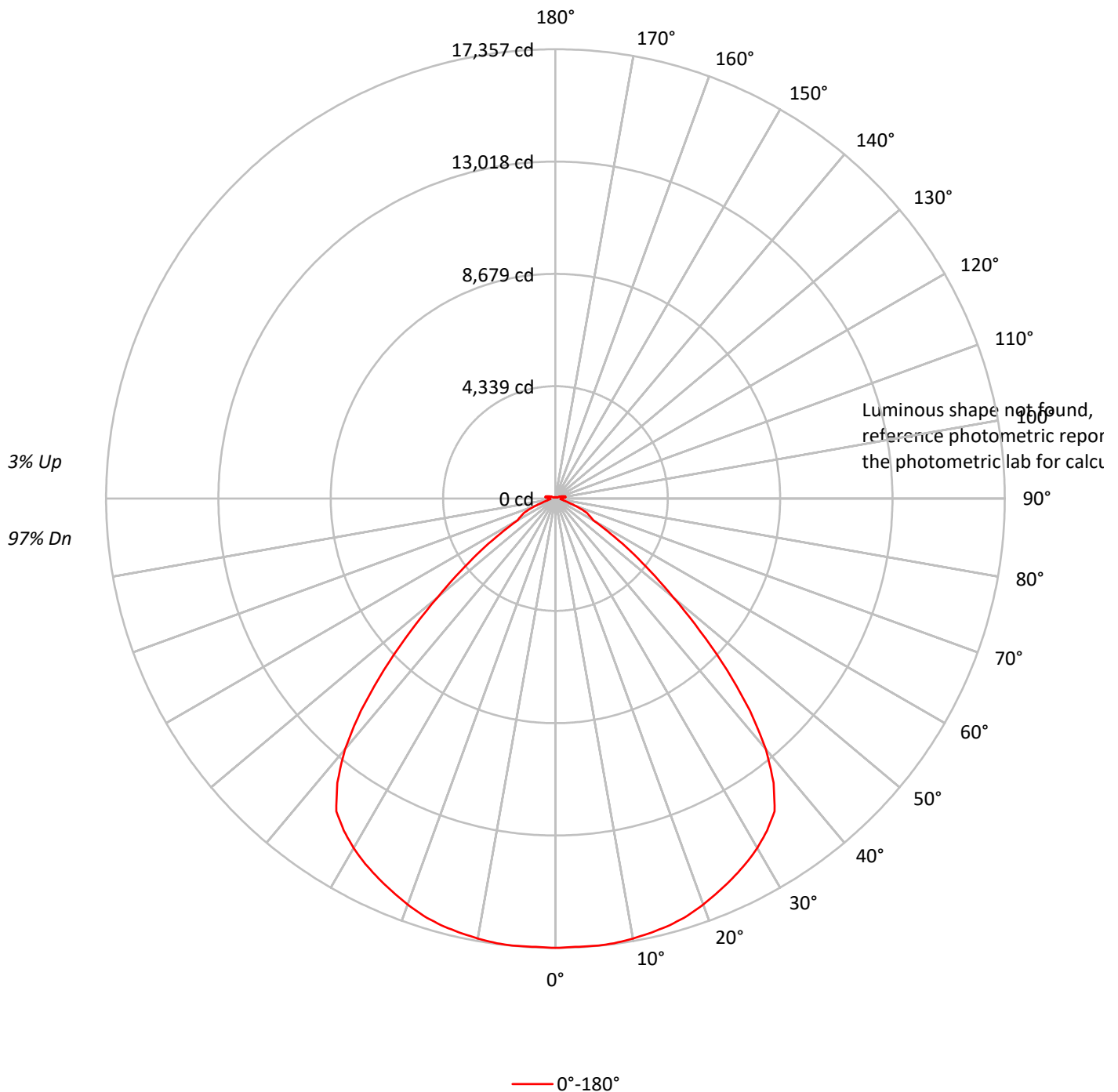
Lumens per Lamp: N/A
Luminaire Lumens: 36486.5 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 239.6
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	97	95	96	94	92	92	90	89	89	89	89	89	87			
2	103	96	91	87	100	94	89	85	91	86	83	87	84	81	84	81	79	79	79	79	79	76			
3	96	87	80	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	65	62	62	62	62	62	60			
5	82	72	64	58	80	70	63	58	68	62	57	66	60	56	64	59	55	55	55	55	55	54			
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	59	54	50	50	50	50	50	48			
7	72	60	52	47	70	59	52	46	57	51	46	56	50	45	54	49	45	45	45	45	45	43			
8	67	55	47	42	65	54	47	42	53	46	42	51	45	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°	1653.4	4.5
10°-20°	4819.3	13.2
20°-30°	7469.7	20.5
30°-40°	9061.2	24.8
40°-50°	7160.7	19.6
50°-60°	3215.0	8.8
60°-70°	1297.7	3.6
70°-80°	482.7	1.3
80°-90°	228.8	0.6
90°-100°	364.4	1.0
100°-110°	357.3	1.0
110°-120°	167.8	0.5
120°-130°	69.8	0.2
130°-140°	50.0	0.1
140°-150°	40.3	0.1
150°-160°	27.9	0.1
160°-170°	15.7	0.0
170°-180°	4.9	0.0
0°-30°	13942.4	38.2
0°-40°	23003.6	63.0
0°-60°	33379.3	91.5
0°-90°	35388.5	97.0
90°-120°	889.5	2.4
90°-150°	1049.6	2.9
90°-180°	1098.0	3.0
0°-180°	36486.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17357	
5°	17349	###
15°	17064	4819
25°	16188	7470
35°	14756	9061
45°	9362	7161
55°	3521	3215
65°	1364	1298
75°	410	483
85°	191	171
90°	227	129
95°	348	294
105°	344	357
115°	163	168
125°	74	70
135°	64	50
145°	63	40
155°	60	28
165°	55	16
175°	52	5
180°	53	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17357.0
2.5°	17339.4
5°	17348.8
7.5°	17332.3
10°	17256.2
12.5°	17169.5
15°	17064.0
17.5°	16909.4
20°	16690.3
22.5°	16441.9
25°	16187.6
27.5°	15908.8
30°	15591.3
32.5°	15209.3
35°	14755.9
37.5°	13837.3
40°	12642.2
42.5°	11120.2
45°	9361.6
47.5°	7584.1
50°	5942.7
52.5°	4623.4
55°	3520.8
57.5°	2527.3
60°	1705.9
62.5°	1509.1
65°	1363.8
67.5°	1114.2
70°	821.3
72.5°	567.1
75°	410.1
77.5°	318.7
80°	253.1
82.5°	210.9
85°	191.0
87.5°	196.8
90°	227.3
92.5°	287.1
95°	348.0
97.5°	389.0
100°	398.4
102.5°	379.6
105°	344.5
107.5°	299.9
110°	250.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	205.0
115°	162.9
117.5°	127.7
120°	103.1
122.5°	85.5
125°	73.8
127.5°	66.8
130°	64.4
132.5°	63.3
135°	64.4
137.5°	65.6
140°	65.6
142.5°	65.6
145°	63.3
147.5°	63.3
150°	62.1
152.5°	60.9
155°	59.8
157.5°	59.8
160°	58.6
162.5°	57.4
165°	55.1
167.5°	52.7
170°	50.4
172.5°	50.4
175°	51.6
177.5°	52.7
180°	52.7

(END OF REPORT)