

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: P1505175

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505175
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-108)
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-06-CLER-PS (3500K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

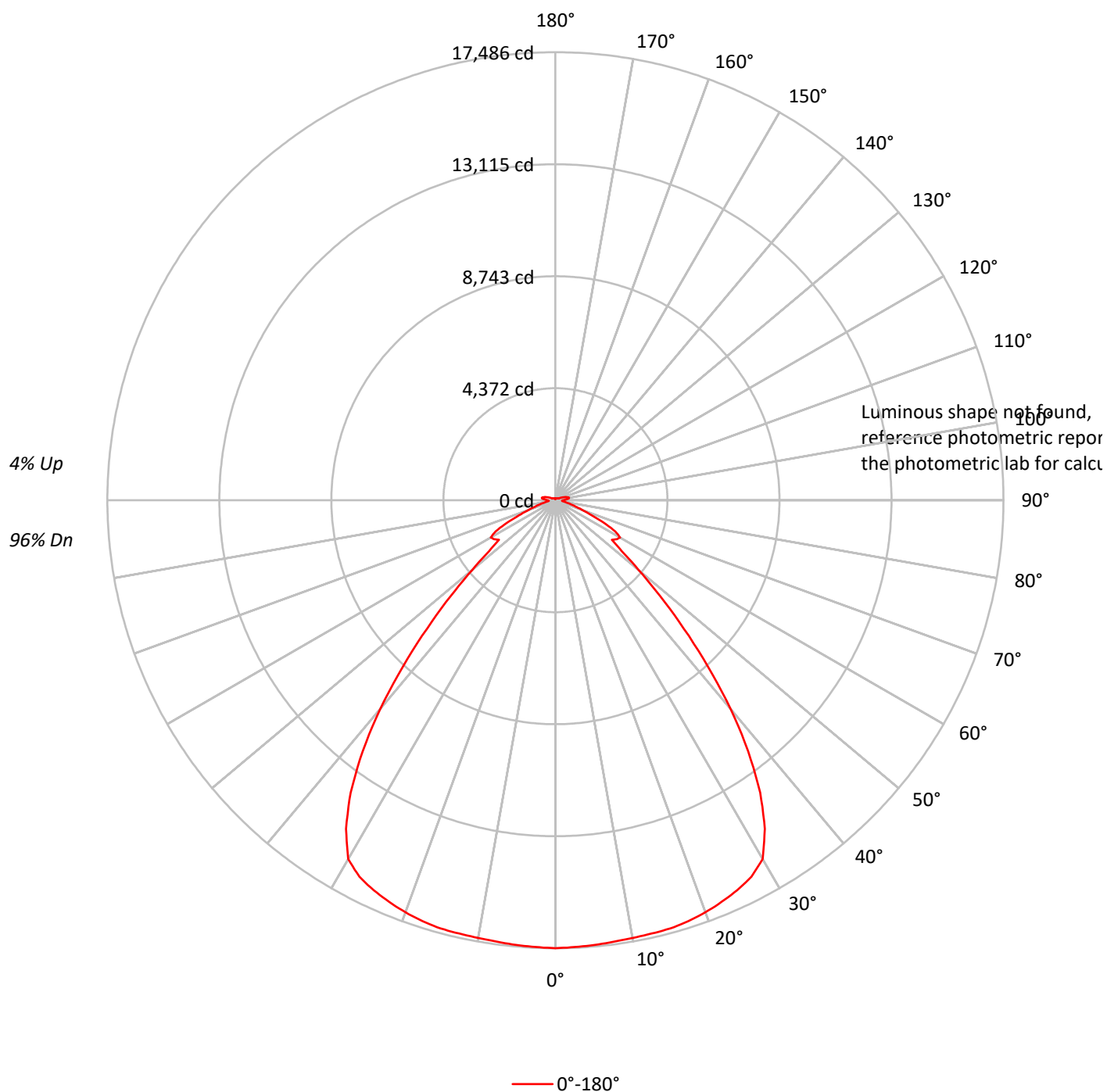
Lumens per Lamp: N/A
Luminaire Lumens: 35709.4 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.22
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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



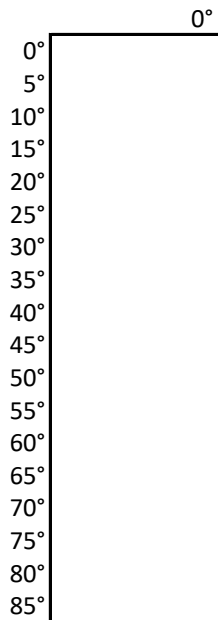
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	103	103	103	98	98	98	96		
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	85		
2	102	96	90	86	99	93	88	84	89	85	82	86	82	79	82	79	77	75		
3	95	86	80	74	92	84	78	73	81	76	72	78	74	70	75	71	68	66		
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	69	64	61	59		
5	82	71	63	58	80	70	63	57	67	61	56	65	60	55	63	58	55	53		
6	76	65	57	52	74	64	57	51	62	55	51	60	54	50	58	53	49	47		
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	43		
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	39		
9	63	51	44	39	61	50	43	38	49	42	38	47	42	38	46	41	37	36		
10	59	47	40	35	58	47	40	35	45	39	35	44	39	35	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°	1660.7	4.7
10°-20°	4893.3	13.7
20°-30°	7737.6	21.7
30°-40°	8553.6	24.0
40°-50°	5521.1	15.5
50°-60°	2760.9	7.7
60°-70°	2039.6	5.7
70°-80°	711.5	2.0
80°-90°	312.2	0.9
90°-100°	481.0	1.3
100°-110°	485.2	1.4
110°-120°	235.5	0.7
120°-130°	108.1	0.3
130°-140°	79.9	0.2
140°-150°	61.4	0.2
150°-160°	41.4	0.1
160°-170°	20.9	0.1
170°-180°	5.5	0.0
0°-30°	14291.6	40.0
0°-40°	22845.1	64.0
0°-60°	31127.2	87.2
0°-90°	34190.5	95.7
90°-120°	1201.6	3.4
90°-150°	1451.0	4.1
90°-180°	1519.0	4.3
0°-180°	35709.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17486	
5°	17424	###
15°	17304	4893
25°	16792	7738
35°	13930	8554
45°	7080	5521
55°	2689	2761
65°	2085	2040
75°	644	711
85°	258	234
90°	305	171
95°	451	388
105°	466	485
115°	228	235
125°	115	108
135°	104	80
145°	98	61
155°	90	41
165°	73	21
175°	55	5
180°	52	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17485.5
2.5°	17456.4
5°	17423.9
7.5°	17382.0
10°	17347.2
12.5°	17323.9
15°	17304.1
17.5°	17233.2
20°	17115.8
22.5°	16965.9
25°	16791.5
27.5°	16570.6
30°	16168.4
32.5°	15209.4
35°	13929.6
37.5°	12354.5
40°	10644.5
42.5°	8809.0
45°	7080.4
47.5°	5539.0
50°	4237.1
52.5°	3257.2
55°	2688.7
57.5°	2834.0
60°	2910.8
62.5°	2639.9
65°	2085.4
67.5°	1532.1
70°	1112.5
72.5°	837.0
75°	644.0
77.5°	482.4
80°	362.7
82.5°	288.3
85°	258.1
87.5°	265.0
90°	304.6
92.5°	374.3
95°	451.0
97.5°	517.3
100°	539.4
102.5°	515.0
105°	466.1
107.5°	408.0
110°	345.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	283.6
115°	227.8
117.5°	183.7
120°	152.3
122.5°	130.2
125°	115.1
127.5°	106.9
130°	103.5
132.5°	103.5
135°	103.5
137.5°	103.5
140°	101.1
142.5°	98.8
145°	97.6
147.5°	96.5
150°	94.2
152.5°	91.8
155°	89.5
157.5°	87.2
160°	82.5
162.5°	77.9
165°	73.2
167.5°	67.4
170°	62.8
172.5°	58.1
175°	54.6
177.5°	52.3
180°	52.3

(END OF REPORT)