

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: P1505247

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (6500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505247
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-114)
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-TRWH-PS (6500K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

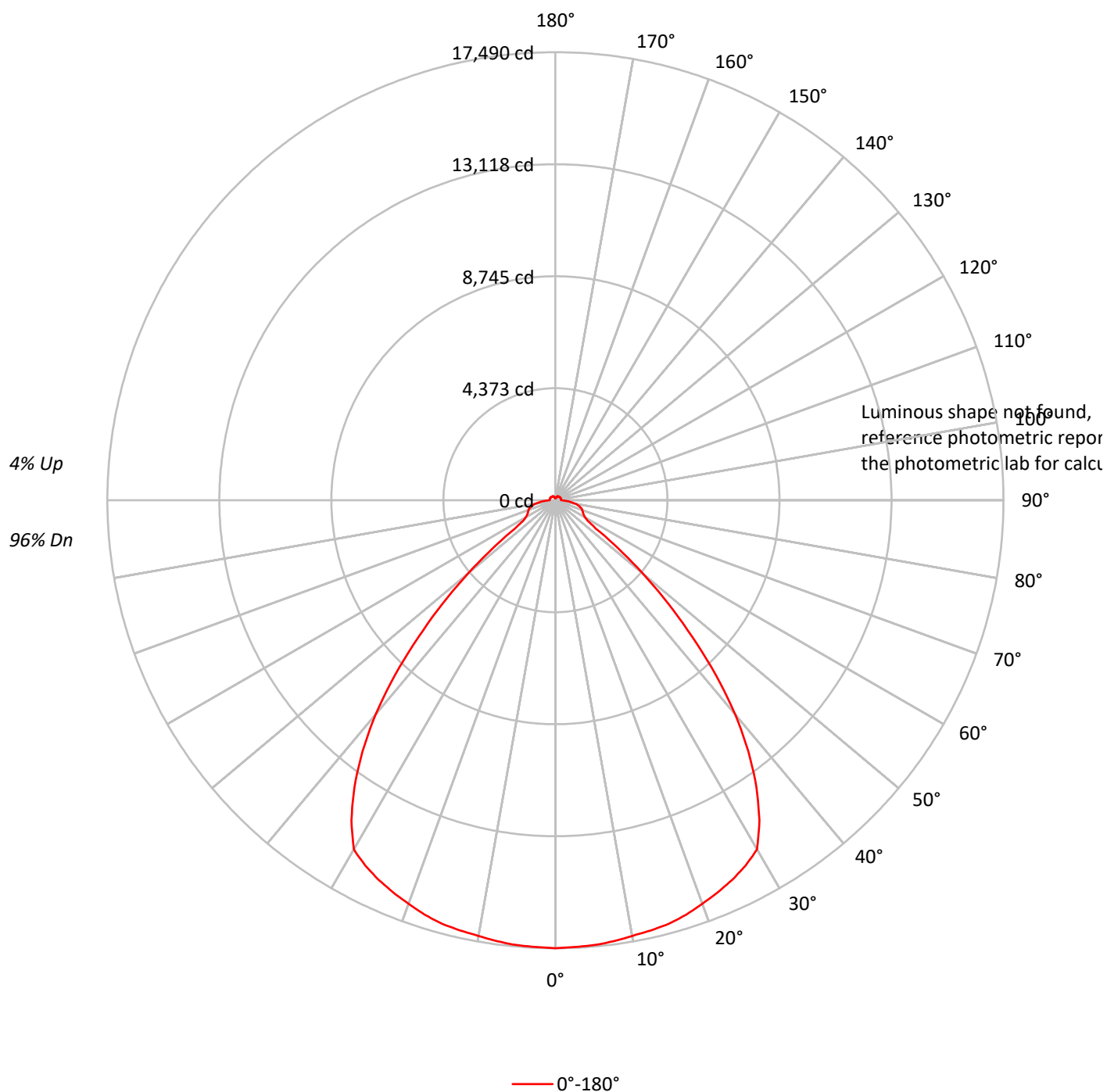
Lumens per Lamp: N/A
Luminaire Lumens: 34424.0 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.23
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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





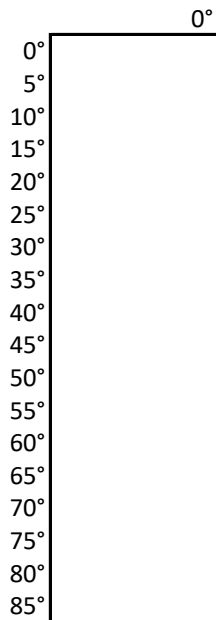
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
R																				
C	0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96	
R	1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	85	
	2	102	96	90	86	100	94	89	84	90	85	82	86	82	79	82	80	77	75	
	3	95	87	80	75	93	85	79	74	81	76	72	78	74	70	76	72	69	67	
	4	89	79	71	66	86	77	70	65	74	69	64	72	67	63	69	65	62	60	
	5	83	72	64	59	80	70	63	58	68	62	57	66	61	56	64	59	55	54	
	6	77	66	58	53	75	65	57	52	63	56	52	61	55	51	59	54	50	48	
	7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	54	49	46	44	
	8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	45	42	40	
	9	63	52	44	39	62	51	44	39	49	43	39	48	43	38	47	42	38	36	
	10	60	48	41	36	58	47	40	36	46	40	36	45	39	35	44	39	35	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°	1658.7	4.8
10°-20°	4833.3	14.0
20°-30°	7535.3	21.9
30°-40°	8453.7	24.6
40°-50°	5835.4	17.0
50°-60°	2074.3	6.0
60°-70°	1194.4	3.5
70°-80°	1036.7	3.0
80°-90°	547.5	1.6
90°-100°	237.8	0.7
100°-110°	233.2	0.7
110°-120°	214.6	0.6
120°-130°	185.8	0.5
130°-140°	151.4	0.4
140°-150°	116.5	0.3
150°-160°	74.5	0.2
160°-170°	33.0	0.1
170°-180°	8.0	0.0
0°-30°	14027.4	40.7
0°-40°	22481.1	65.3
0°-60°	30390.7	88.3
0°-90°	33169.3	96.4
90°-120°	685.6	2.0
90°-150°	1139.3	3.3
90°-180°	1255.0	3.6
0°-180°	34424.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17490	
5°	17433	###
15°	17118	4833
25°	16342	7535
35°	13684	8454
45°	7556	5835
55°	1919	2074
65°	1193	1194
75°	996	1037
85°	500	469
90°	218	138
95°	218	178
105°	220	233
115°	217	215
125°	207	186
135°	196	151
145°	185	117
155°	160	75
165°	112	33
175°	78	8
180°	75	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17490.5
2.5°	17455.4
5°	17433.1
7.5°	17366.3
10°	17270.2
12.5°	17201.1
15°	17117.9
17.5°	16965.6
20°	16766.4
22.5°	16566.1
25°	16342.3
27.5°	16076.3
30°	15737.7
32.5°	14821.5
35°	13683.8
37.5°	12373.9
40°	10916.3
42.5°	9280.7
45°	7556.0
47.5°	5980.1
50°	4441.8
52.5°	3070.9
55°	1919.2
57.5°	1486.8
60°	1341.5
62.5°	1245.5
65°	1192.7
67.5°	1151.7
70°	1115.4
72.5°	1066.2
75°	995.9
77.5°	908.0
80°	793.2
82.5°	651.4
85°	500.3
87.5°	352.7
90°	217.9
92.5°	215.6
95°	217.9
97.5°	219.1
100°	220.3
102.5°	221.4
105°	220.3
107.5°	220.3
110°	219.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	217.9
115°	216.8
117.5°	214.4
120°	212.1
122.5°	209.7
125°	207.4
127.5°	203.9
130°	201.5
132.5°	198.0
135°	195.7
137.5°	192.2
140°	189.8
142.5°	187.5
145°	185.1
147.5°	184.0
150°	179.3
152.5°	171.1
155°	160.5
157.5°	148.8
160°	138.3
162.5°	125.4
165°	112.5
167.5°	101.9
170°	93.7
172.5°	84.4
175°	78.5
177.5°	75.0
180°	75.0

(END OF REPORT)