

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: P1505227

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (4000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505227
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-113)
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 (4000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

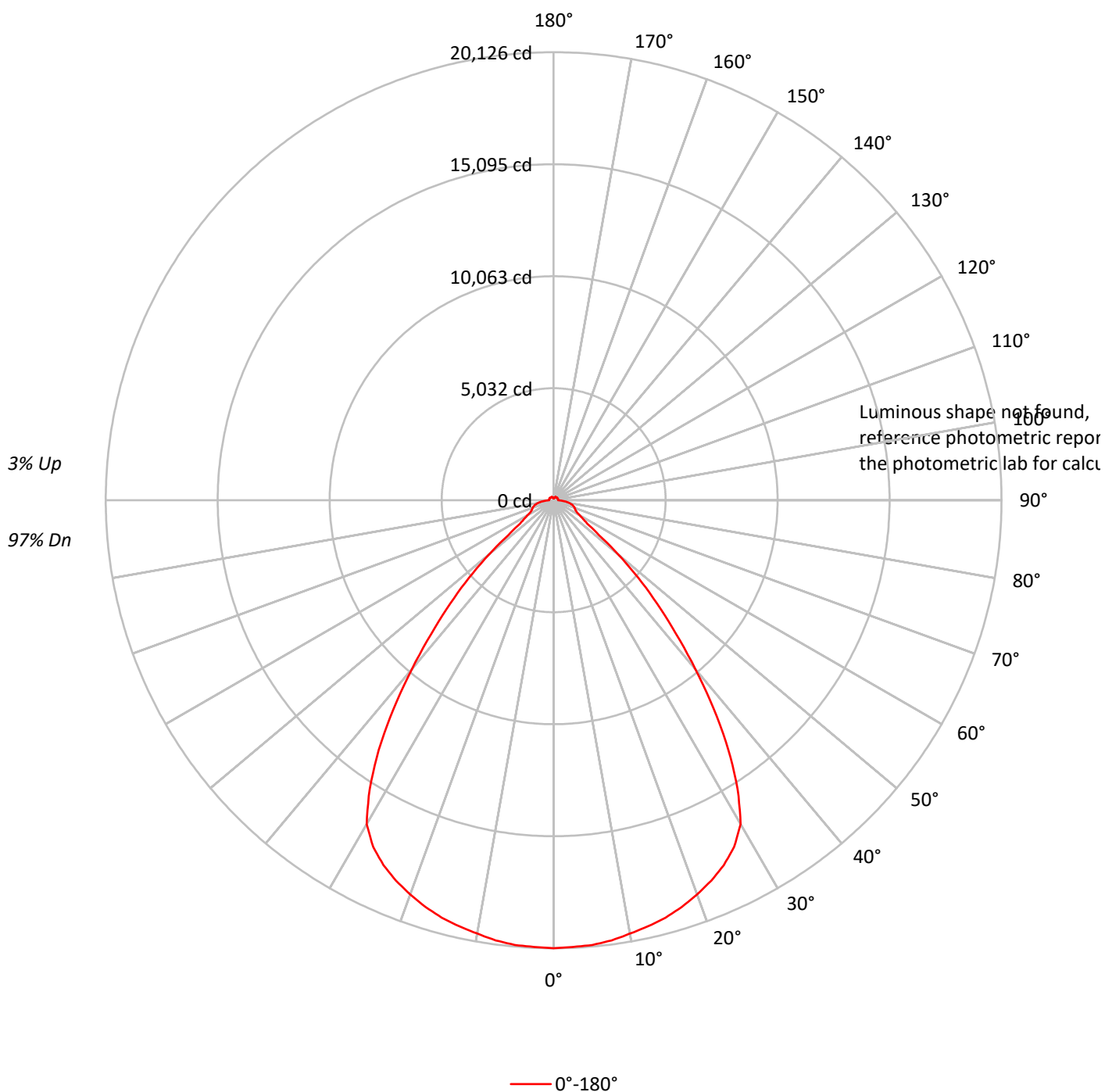
Lumens per Lamp: N/A
Luminaire Lumens: 34823.2 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 231.9
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





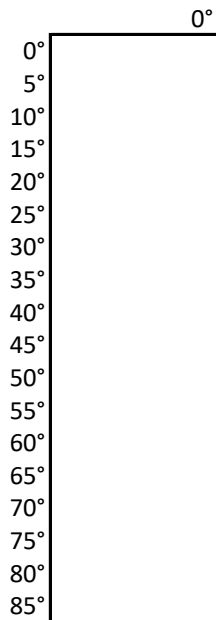
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	110	107	103	100	108	104	101	98	99	97	95	95	93	91	91	90	88	86		
2	103	97	91	87	100	94	90	86	91	87	83	87	84	81	84	81	79	77		
3	96	88	81	76	94	86	80	75	83	78	74	80	76	72	77	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	57	56		
6	78	67	60	55	76	66	59	54	64	58	54	62	57	53	61	56	52	50		
7	74	62	55	50	72	61	54	49	60	53	49	58	52	48	56	52	48	46		
8	69	58	50	45	67	57	50	45	55	49	45	54	48	44	53	48	44	42		
9	65	53	46	42	64	53	46	41	51	45	41	50	45	41	49	44	40	39		
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	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°	1904.9	5.5
10°-20°	5477.5	15.7
20°-30°	8300.8	23.8
30°-40°	8436.7	24.2
40°-50°	5105.4	14.7
50°-60°	1896.6	5.4
60°-70°	1115.6	3.2
70°-80°	931.2	2.7
80°-90°	502.7	1.4
90°-100°	217.0	0.6
100°-110°	213.3	0.6
110°-120°	196.6	0.6
120°-130°	169.6	0.5
130°-140°	139.0	0.4
140°-150°	108.0	0.3
150°-160°	69.4	0.2
160°-170°	31.2	0.1
170°-180°	7.7	0.0
0°-30°	15683.2	45.0
0°-40°	24119.9	69.3
0°-60°	31121.9	89.4
0°-90°	33671.5	96.7
90°-120°	626.9	1.8
90°-150°	1043.4	3.0
90°-180°	1152.0	3.3
0°-180°	34823.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20126	
5°	20052	###
15°	19415	5477
25°	18086	8301
35°	13694	8437
45°	6568	5105
55°	1847	1897
65°	1095	1116
75°	892	931
85°	466	431
90°	199	126
95°	199	163
105°	202	213
115°	199	197
125°	189	170
135°	179	139
145°	172	108
155°	149	69
165°	107	31
175°	76	8
180°	74	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20125.8
2.5°	20085.9
5°	20052.0
7.5°	19944.2
10°	19768.6
12.5°	19604.0
15°	19415.1
17.5°	19154.7
20°	18842.3
22.5°	18500.9
25°	18085.5
27.5°	17557.6
30°	16800.8
32.5°	15391.3
35°	13693.7
37.5°	11825.3
40°	9907.3
42.5°	8131.0
45°	6567.8
47.5°	5155.9
50°	3782.8
52.5°	2557.4
55°	1846.6
57.5°	1571.7
60°	1351.3
62.5°	1181.8
65°	1094.6
67.5°	1046.2
70°	1011.1
72.5°	961.4
75°	892.4
77.5°	810.1
80°	712.0
82.5°	597.0
85°	466.2
87.5°	326.9
90°	198.6
92.5°	197.4
95°	198.6
97.5°	199.8
100°	201.0
102.5°	202.2
105°	202.2
107.5°	201.0
110°	201.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	199.8
115°	198.6
117.5°	196.2
120°	193.7
122.5°	191.3
125°	188.9
127.5°	186.5
130°	184.1
132.5°	181.6
135°	179.2
137.5°	176.8
140°	175.6
142.5°	173.2
145°	171.9
147.5°	170.7
150°	167.1
152.5°	158.6
155°	148.9
157.5°	139.2
160°	129.6
162.5°	117.5
165°	106.6
167.5°	98.1
170°	89.6
172.5°	82.3
175°	76.3
177.5°	73.9
180°	73.9

(END OF REPORT)