

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: P1505206

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505206
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 (3000K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

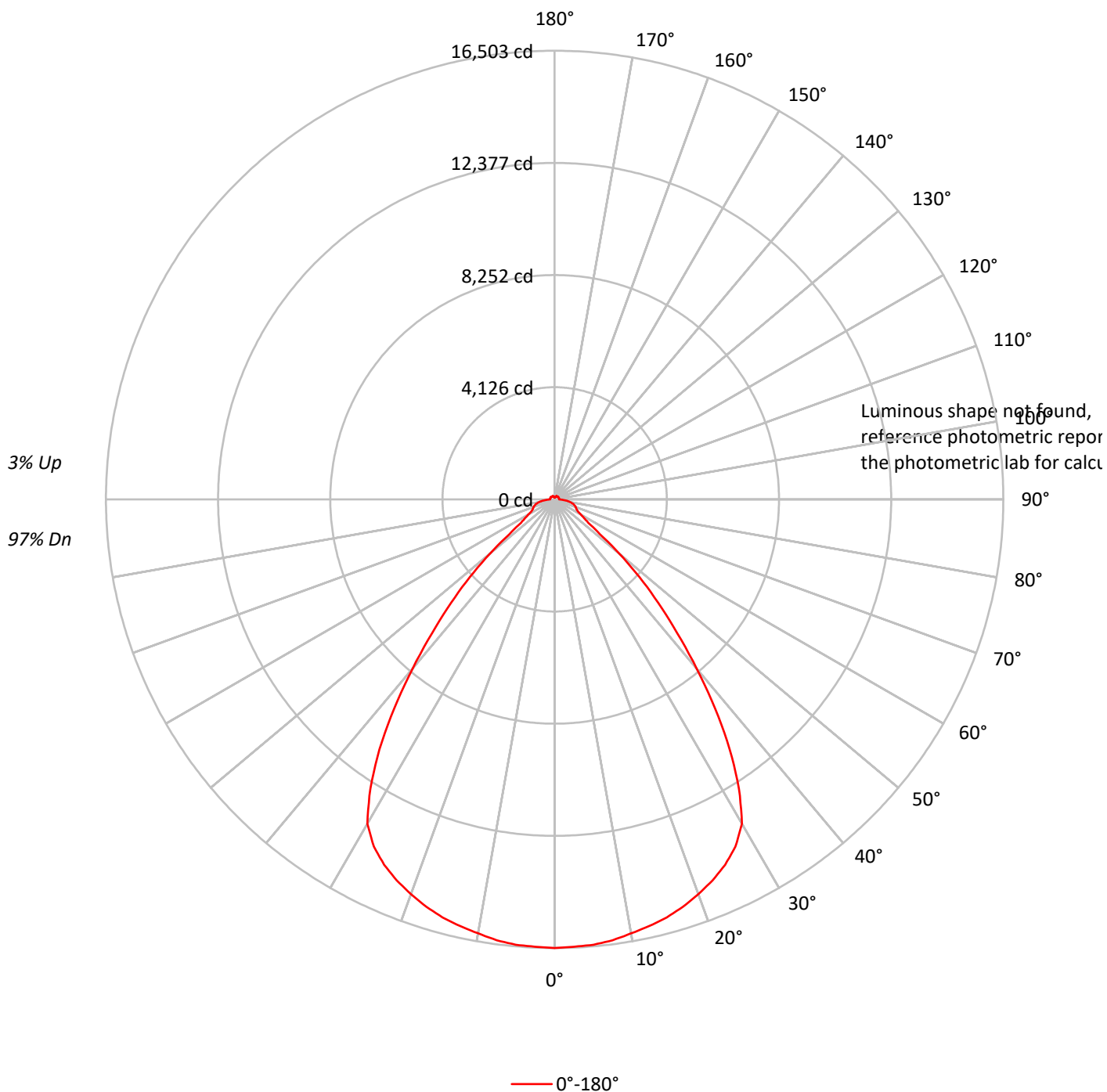
Lumens per Lamp: N/A
Luminaire Lumens: 28554.7 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 199.4
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





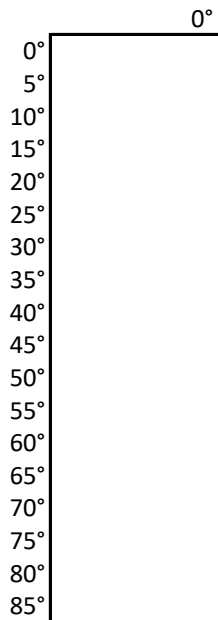
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	1562.0	5.5
10°-20°	4491.5	15.7
20°-30°	6806.6	23.8
30°-40°	6918.0	24.2
40°-50°	4186.3	14.7
50°-60°	1555.2	5.4
60°-70°	914.8	3.2
70°-80°	763.6	2.7
80°-90°	412.2	1.4
90°-100°	177.9	0.6
100°-110°	174.9	0.6
110°-120°	161.2	0.6
120°-130°	139.0	0.5
130°-140°	114.0	0.4
140°-150°	88.6	0.3
150°-160°	56.9	0.2
160°-170°	25.5	0.1
170°-180°	6.3	0.0
0°-30°	12860.1	45.0
0°-40°	19778.2	69.3
0°-60°	25519.7	89.4
0°-90°	27610.4	96.7
90°-120°	513.9	1.8
90°-150°	855.5	3.0
90°-180°	944.0	3.3
0°-180°	28554.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16503	
5°	16442	###
15°	15920	4491
25°	14830	6807
35°	11229	6918
45°	5386	4186
55°	1514	1555
65°	898	915
75°	732	764
85°	382	353
90°	163	104
95°	163	133
105°	166	175
115°	163	161
125°	155	139
135°	147	114
145°	141	89
155°	122	57
165°	87	26
175°	63	6
180°	61	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16503.0
2.5°	16470.2
5°	16442.4
7.5°	16354.1
10°	16210.1
12.5°	16075.1
15°	15920.2
17.5°	15706.7
20°	15450.5
22.5°	15170.5
25°	14830.0
27.5°	14397.1
30°	13776.5
32.5°	12620.8
35°	11228.7
37.5°	9696.7
40°	8123.9
42.5°	6667.3
45°	5385.5
47.5°	4227.8
50°	3101.8
52.5°	2097.0
55°	1514.2
57.5°	1288.8
60°	1108.1
62.5°	969.1
65°	897.6
67.5°	857.9
70°	829.1
72.5°	788.4
75°	731.8
77.5°	664.3
80°	583.8
82.5°	489.5
85°	382.3
87.5°	268.1
90°	162.8
92.5°	161.8
95°	162.8
97.5°	163.8
100°	164.8
102.5°	165.8
105°	165.8
107.5°	164.8
110°	164.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	163.8
115°	162.8
117.5°	160.8
120°	158.9
122.5°	156.9
125°	154.9
127.5°	152.9
130°	150.9
132.5°	148.9
135°	146.9
137.5°	145.0
140°	144.0
142.5°	142.0
145°	141.0
147.5°	140.0
150°	137.0
152.5°	130.1
155°	122.1
157.5°	114.2
160°	106.2
162.5°	96.3
165°	87.4
167.5°	80.4
170°	73.5
172.5°	67.5
175°	62.6
177.5°	60.6
180°	60.6

(END OF REPORT)