

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: P1505594

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505594
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-124)
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-06-TRWH-PS (5000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

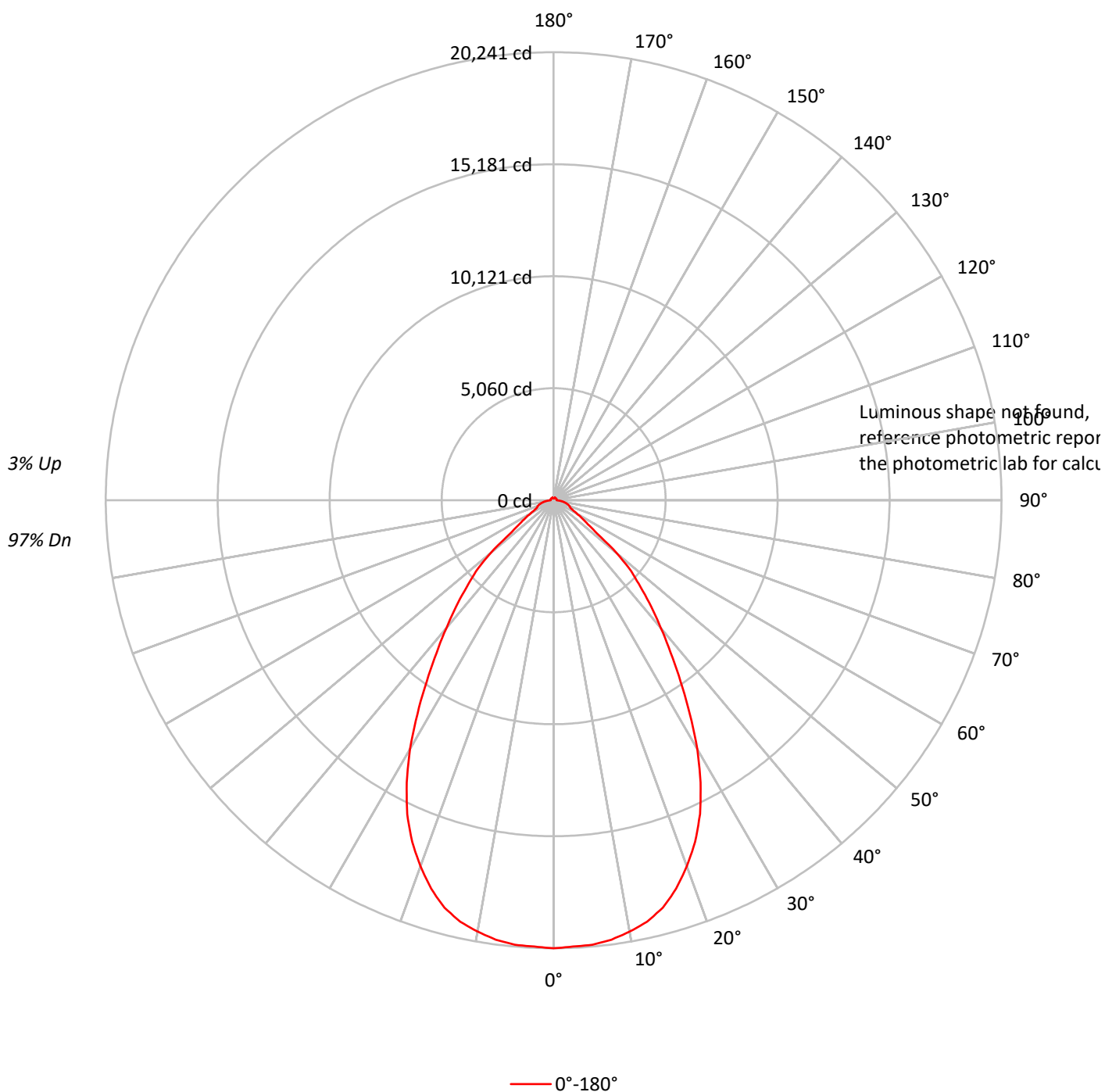
Lumens per Lamp: N/A
Luminaire Lumens: 29493.3 lumens
Efficiency: N/A
Efficacy: 150.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.02
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 195.5
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





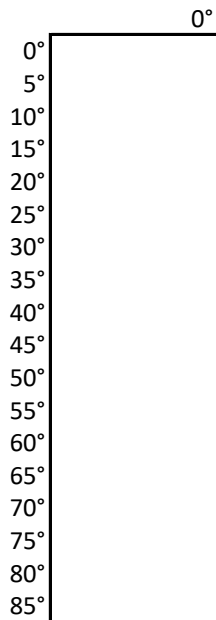
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	110	110	110	104	104	104	100	100	100	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	87		
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	82	80	78		
3	97	89	82	77	94	87	81	77	84	79	75	81	77	73	78	75	72	70		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	72	68	65	63		
5	85	74	67	62	83	73	67	62	71	65	61	69	64	60	67	63	59	57		
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	62	58	54	52		
7	75	64	56	51	73	63	56	51	61	55	51	59	54	50	58	53	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	55	50	46	54	49	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	46	43	51	46	42	41		
10	63	51	45	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1912.3	6.5
10°-20°	5329.9	18.1
20°-30°	7114.6	24.1
30°-40°	6277.1	21.3
40°-50°	4312.8	14.6
50°-60°	1857.7	6.3
60°-70°	897.0	3.0
70°-80°	657.6	2.2
80°-90°	319.8	1.1
90°-100°	144.7	0.5
100°-110°	144.5	0.5
110°-120°	136.0	0.5
120°-130°	120.1	0.4
130°-140°	100.2	0.3
140°-150°	79.1	0.3
150°-160°	54.1	0.2
160°-170°	27.7	0.1
170°-180°	8.1	0.0
0°-30°	14356.8	48.7
0°-40°	20633.9	70.0
0°-60°	26804.4	90.9
0°-90°	28678.8	97.2
90°-120°	425.2	1.4
90°-150°	724.6	2.5
90°-180°	815.0	2.8
0°-180°	29493.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20241	
5°	20159	###
15°	19058	5330
25°	15648	7115
35°	10002	6277
45°	5550	4313
55°	1891	1858
65°	857	897
75°	630	658
85°	291	273
90°	136	83
95°	132	108
105°	137	145
115°	137	136
125°	134	120
135°	129	100
145°	125	79
155°	117	54
165°	96	28
175°	83	8
180°	83	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20240.9
2.5°	20186.1
5°	20158.7
7.5°	20022.8
10°	19788.8
12.5°	19500.1
15°	19058.5
17.5°	18404.1
20°	17599.0
22.5°	16706.4
25°	15648.3
27.5°	14378.5
30°	12984.2
32.5°	11453.0
35°	10001.9
37.5°	8680.4
40°	7538.1
42.5°	6532.7
45°	5550.5
47.5°	4752.8
50°	3745.3
52.5°	2456.5
55°	1890.6
57.5°	1539.6
60°	1219.3
62.5°	984.3
65°	856.8
67.5°	797.7
70°	754.5
72.5°	700.8
75°	630.2
77.5°	550.1
80°	464.7
82.5°	377.3
85°	290.9
87.5°	205.5
90°	135.9
92.5°	129.6
95°	131.7
97.5°	133.8
100°	134.9
102.5°	135.9
105°	137.0
107.5°	137.0
110°	138.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	137.0
115°	137.0
117.5°	137.0
120°	135.9
122.5°	134.9
125°	133.8
127.5°	132.8
130°	131.7
132.5°	130.7
135°	128.6
137.5°	128.6
140°	127.5
142.5°	126.5
145°	125.4
147.5°	125.4
150°	124.4
152.5°	121.2
155°	117.0
157.5°	111.7
160°	107.5
162.5°	102.2
165°	95.9
167.5°	91.7
170°	87.5
172.5°	84.3
175°	83.3
177.5°	83.3
180°	83.3

(END OF REPORT)