

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: P1505583

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (4000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505583
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-126)
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 (4000K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

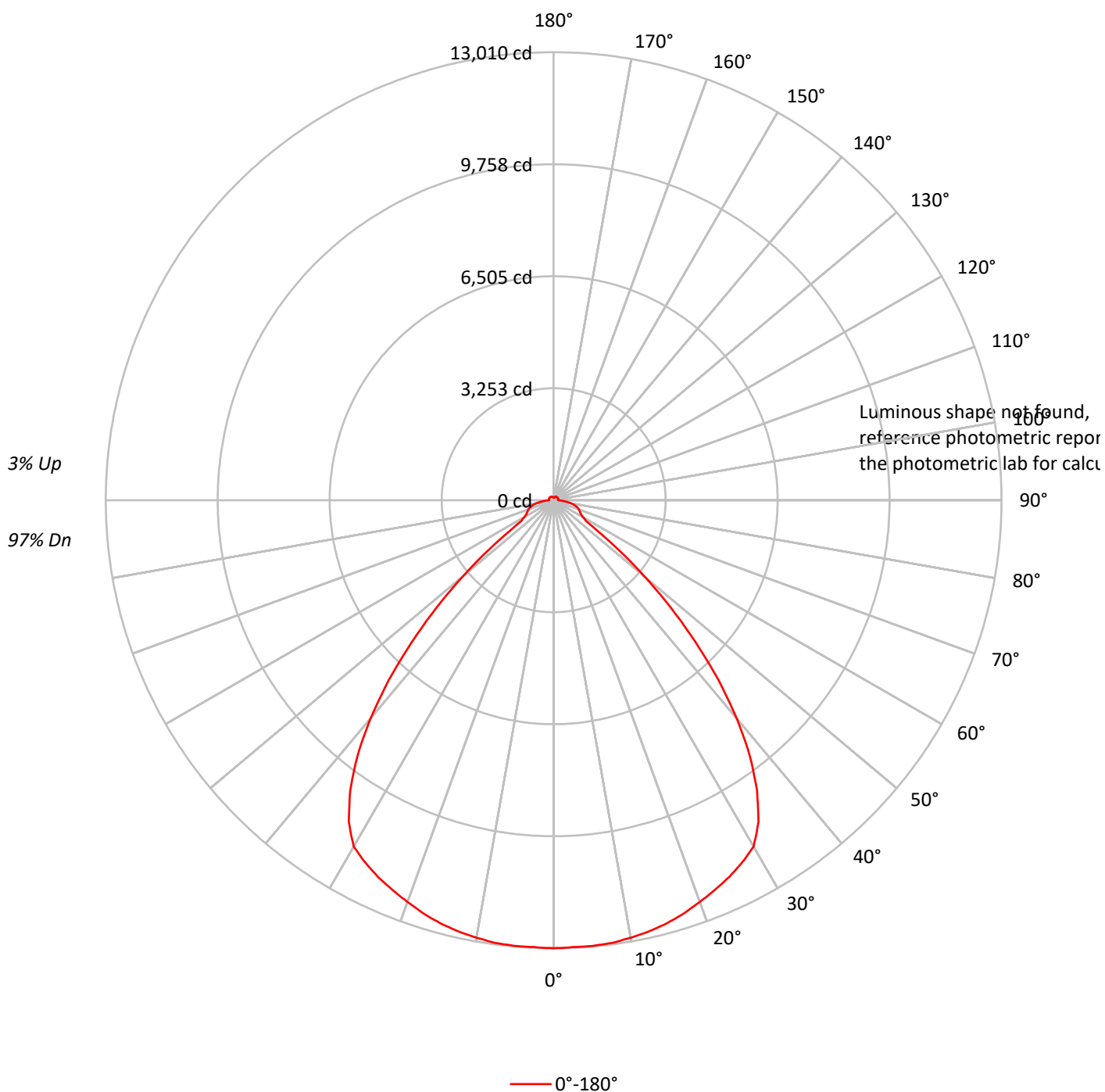
Lumens per Lamp: N/A
Luminaire Lumens: 25520.5 lumens
Efficiency: N/A
Efficacy: 163.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 155.7
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





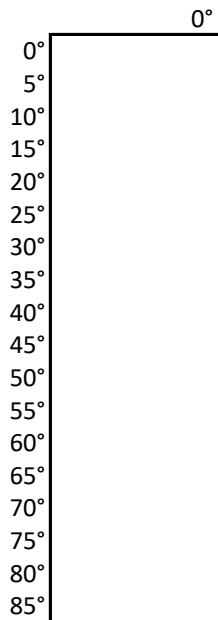
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	107	104	101	98	99	97	95	95	93	91	91	89	88	86		
2	103	96	91	86	100	94	89	85	90	86	82	86	83	80	83	80	78	76		
3	95	87	80	75	93	85	79	74	82	77	73	79	75	71	76	72	69	67		
4	89	79	72	66	86	77	71	66	75	69	64	72	67	63	70	66	62	60		
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56	54		
6	77	66	58	53	75	65	58	52	63	57	52	61	55	51	59	54	51	49		
7	72	61	53	48	70	60	52	47	58	52	47	56	51	46	55	50	46	44		
8	68	56	48	43	66	55	48	43	54	47	43	52	46	42	51	46	42	40		
9	64	52	44	39	62	51	44	39	50	43	39	48	43	39	47	42	38	37		
10	60	48	41	36	58	47	41	36	46	40	36	45	39	36	44	39	35	34		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1237.2	4.8
10°-20°	3591.2	14.1
20°-30°	5565.3	21.8
30°-40°	6347.7	24.9
40°-50°	4471.9	17.5
50°-60°	1611.0	6.3
60°-70°	854.4	3.3
70°-80°	698.1	2.7
80°-90°	335.7	1.3
90°-100°	144.9	0.6
100°-110°	144.5	0.6
110°-120°	136.2	0.5
120°-130°	120.1	0.5
130°-140°	99.7	0.4
140°-150°	77.4	0.3
150°-160°	51.9	0.2
160°-170°	25.9	0.1
170°-180°	7.3	0.0
0°-30°	10393.7	40.7
0°-40°	16741.5	65.6
0°-60°	22824.4	89.4
0°-90°	24712.6	96.8
90°-120°	425.6	1.7
90°-150°	722.8	2.8
90°-180°	808.0	3.2
0°-180°	25520.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13010	
5°	12991	###
15°	12718	3591
25°	12069	5565
35°	10297	6348
45°	5816	4472
55°	1536	1611
65°	851	854
75°	672	698
85°	303	288
90°	135	84
95°	132	109
105°	137	145
115°	138	136
125°	134	120
135°	129	100
145°	123	77
155°	112	52
165°	89	26
175°	75	7
180°	75	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13009.9
2.5°	12988.4
5°	12990.9
7.5°	12965.2
10°	12898.1
12.5°	12821.6
15°	12718.4
17.5°	12579.1
20°	12412.3
22.5°	12244.6
25°	12069.2
27.5°	11859.4
30°	11614.4
32.5°	11073.6
35°	10297.1
37.5°	9364.2
40°	8277.4
42.5°	7087.5
45°	5815.8
47.5°	4602.6
50°	3439.3
52.5°	2422.1
55°	1536.5
57.5°	1109.2
60°	984.5
62.5°	899.4
65°	851.2
67.5°	815.1
70°	779.9
72.5°	734.3
75°	672.4
77.5°	595.9
80°	502.1
82.5°	401.5
85°	302.7
87.5°	209.8
90°	135.0
92.5°	129.8
95°	132.4
97.5°	134.1
100°	135.0
102.5°	135.9
105°	136.7
107.5°	137.6
110°	137.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	137.6
115°	137.6
117.5°	136.7
120°	135.9
122.5°	135.0
125°	134.1
127.5°	132.4
130°	131.6
132.5°	129.8
135°	129.0
137.5°	127.3
140°	125.5
142.5°	124.7
145°	123.0
147.5°	122.1
150°	120.4
152.5°	116.9
155°	111.8
157.5°	106.6
160°	101.5
162.5°	96.3
165°	89.4
167.5°	84.3
170°	79.1
172.5°	75.7
175°	74.8
177.5°	74.8
180°	74.8

(END OF REPORT)