

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: P1505520

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505520
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-120)
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-CLER-PS (3000K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

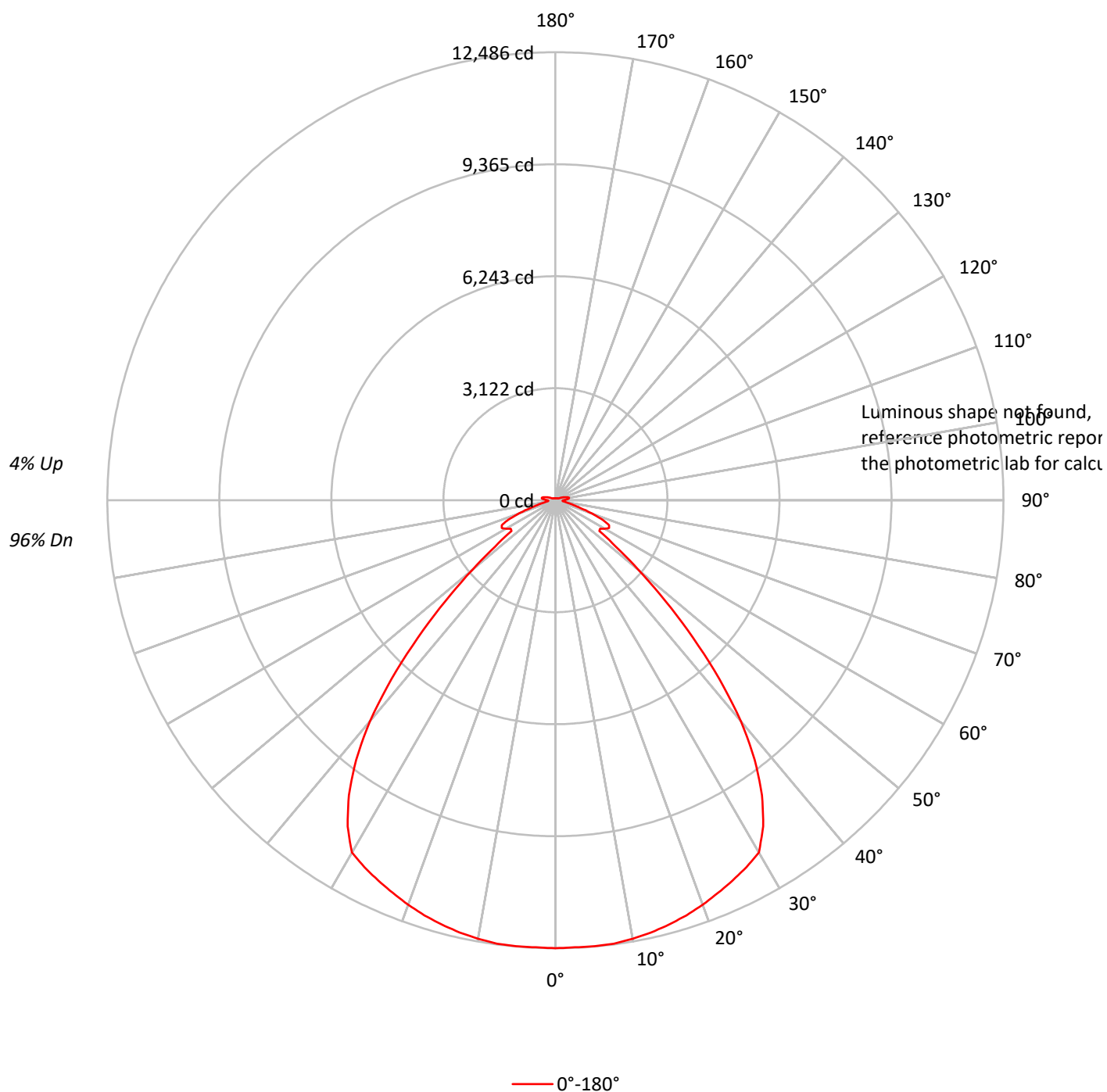
Lumens per Lamp: N/A
Luminaire Lumens: 25505.8 lumens
Efficiency: N/A
Efficacy: 160.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 159.4
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





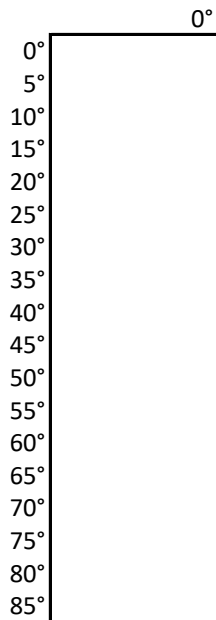
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	103	103	103	98	98	98	96		
1	110	106	103	100	107	104	100	98	99	96	94	94	92	90	90	88	87	85		
2	102	95	90	85	99	93	88	84	89	85	81	85	82	79	82	79	77	75		
3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68	66		
4	88	78	71	65	86	76	70	64	74	68	63	71	66	62	68	64	61	59		
5	82	71	63	58	80	70	63	57	67	61	56	65	60	55	63	58	54	52		
6	76	65	57	52	74	64	57	51	62	55	50	60	54	50	58	53	49	47		
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	53	48	44	43		
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	41	39		
9	63	51	43	38	61	50	43	38	49	42	38	47	42	37	46	41	37	35		
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	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°	1189.1	4.7
10°-20°	3460.2	13.6
20°-30°	5398.4	21.2
30°-40°	6182.7	24.2
40°-50°	4178.9	16.4
50°-60°	1645.2	6.5
60°-70°	1508.6	5.9
70°-80°	618.8	2.4
80°-90°	237.0	0.9
90°-100°	355.0	1.4
100°-110°	339.9	1.3
110°-120°	163.4	0.6
120°-130°	75.3	0.3
130°-140°	57.8	0.2
140°-150°	44.2	0.2
150°-160°	29.5	0.1
160°-170°	16.5	0.1
170°-180°	5.1	0.0
0°-30°	10047.8	39.4
0°-40°	16230.5	63.6
0°-60°	22054.7	86.5
0°-90°	24419.0	95.7
90°-120°	858.3	3.4
90°-150°	1035.6	4.1
90°-180°	1087.0	4.3
0°-180°	25505.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12486	
5°	12479	###
15°	12241	3460
25°	11689	5398
35°	10034	6183
45°	5415	4179
55°	1497	1645
65°	1650	1509
75°	530	619
85°	197	179
90°	225	127
95°	338	286
105°	324	340
115°	158	163
125°	80	75
135°	75	58
145°	70	44
155°	64	30
165°	58	17
175°	54	5
180°	54	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12485.6
2.5°	12470.8
5°	12479.0
7.5°	12465.0
10°	12408.1
12.5°	12337.1
15°	12240.6
17.5°	12130.9
20°	11997.2
22.5°	11842.9
25°	11688.6
27.5°	11529.4
30°	11337.2
32.5°	10775.4
35°	10033.7
37.5°	9124.5
40°	8044.6
42.5°	6761.7
45°	5415.3
47.5°	4153.9
50°	3018.7
52.5°	2113.7
55°	1496.6
57.5°	1475.1
60°	1587.3
62.5°	1683.8
65°	1650.0
67.5°	1421.5
70°	1085.7
72.5°	759.8
75°	529.7
77.5°	379.5
80°	278.9
82.5°	221.1
85°	197.2
87.5°	198.8
90°	225.2
92.5°	278.0
95°	338.3
97.5°	379.5
100°	387.8
102.5°	364.7
105°	324.2
107.5°	281.3
110°	237.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	196.4
115°	158.4
117.5°	128.7
120°	105.6
122.5°	89.9
125°	80.0
127.5°	75.1
130°	73.4
132.5°	73.4
135°	75.1
137.5°	75.9
140°	75.1
142.5°	72.6
145°	70.1
147.5°	67.7
150°	66.0
152.5°	64.4
155°	63.5
157.5°	62.7
160°	61.9
162.5°	60.2
165°	57.8
167.5°	56.1
170°	53.6
172.5°	52.0
175°	53.6
177.5°	53.6
180°	53.6

(END OF REPORT)