

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: P1505604

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (6500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505604
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 (6500K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

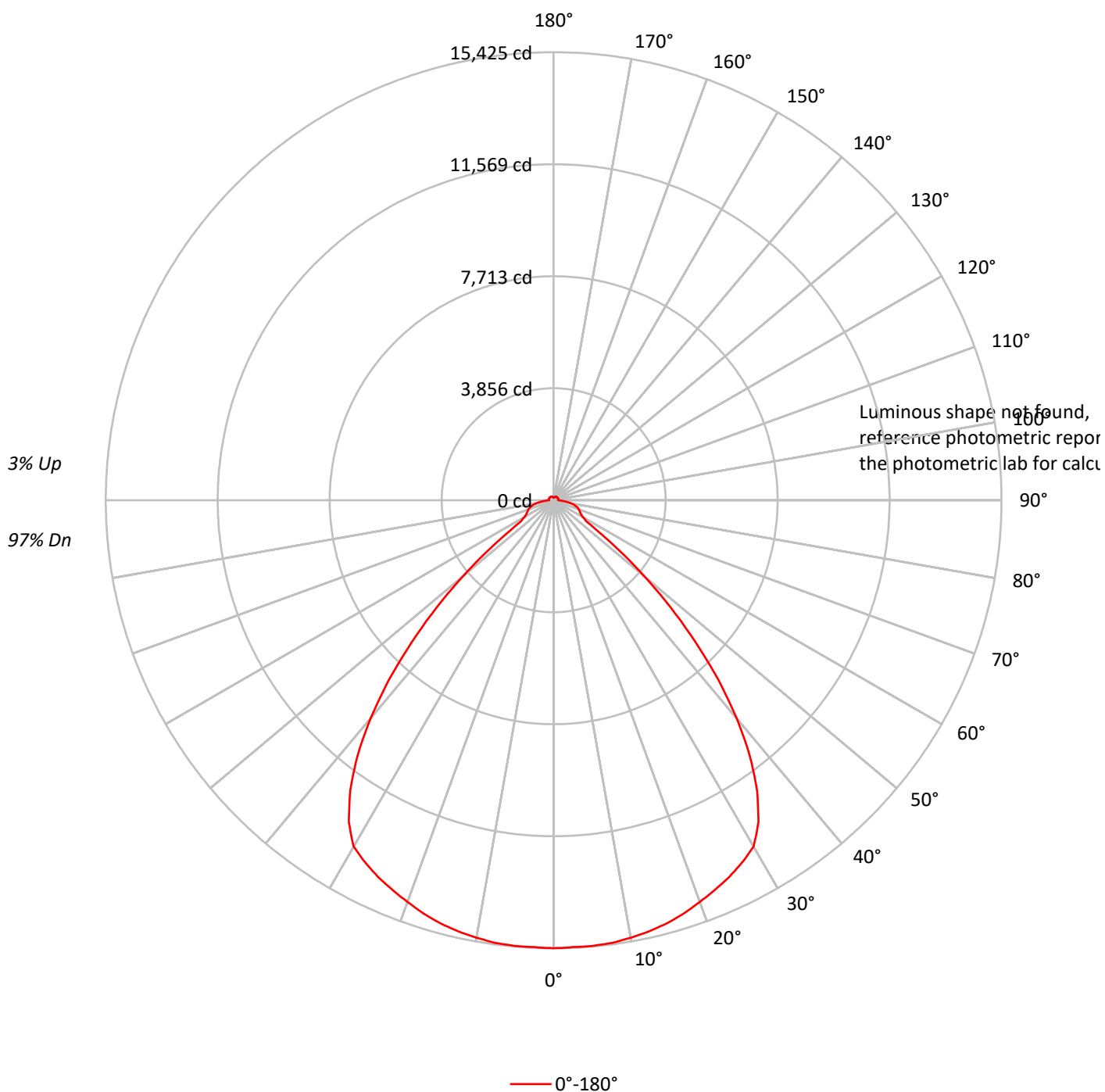
Lumens per Lamp: N/A
Luminaire Lumens: 30258.3 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 200.1
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



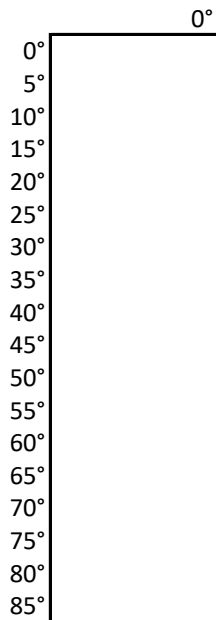
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	99	99			
1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	88	88	88	88	86			
2	103	96	91	86	100	94	89	85	90	86	82	86	83	80	83	80	78	78	78	78	78	76			
3	95	87	80	75	93	85	79	74	82	77	73	79	75	71	76	72	69	69	69	69	69	67			
4	89	79	72	66	86	77	71	66	75	69	64	72	67	63	70	66	62	62	62	62	62	60			
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56	56	56	56	56	54			
6	77	66	58	53	75	65	58	52	63	57	52	61	55	51	59	54	51	51	51	51	51	49			
7	72	61	53	48	70	60	52	47	58	52	47	56	51	46	55	50	46	46	46	46	46	44			
8	68	56	48	43	66	55	48	43	54	47	43	52	46	42	51	46	42	42	42	42	42	40			
9	64	52	44	39	62	51	44	39	50	43	39	48	43	39	47	42	38	38	38	38	38	37			
10	60	48	41	36	58	47	41	36	46	40	36	45	39	36	44	39	35	35	35	35	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°	1466.9	4.8
10°-20°	4257.9	14.1
20°-30°	6598.6	21.8
30°-40°	7526.2	24.9
40°-50°	5302.1	17.5
50°-60°	1910.1	6.3
60°-70°	1013.0	3.3
70°-80°	827.7	2.7
80°-90°	398.0	1.3
90°-100°	171.8	0.6
100°-110°	171.3	0.6
110°-120°	161.4	0.5
120°-130°	142.4	0.5
130°-140°	118.2	0.4
140°-150°	91.8	0.3
150°-160°	61.5	0.2
160°-170°	30.7	0.1
170°-180°	8.6	0.0
0°-30°	12323.4	40.7
0°-40°	19849.6	65.6
0°-60°	27061.8	89.4
0°-90°	29300.5	96.8
90°-120°	504.6	1.7
90°-150°	857.0	2.8
90°-180°	958.0	3.2
0°-180°	30258.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15425	
5°	15403	###
15°	15080	4258
25°	14310	6599
35°	12209	7526
45°	6896	5302
55°	1822	1910
65°	1009	1013
75°	797	828
85°	359	342
90°	160	99
95°	157	129
105°	162	171
115°	163	161
125°	159	142
135°	153	118
145°	146	92
155°	132	62
165°	106	31
175°	89	9
180°	89	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15425.2
2.5°	15399.7
5°	15402.8
7.5°	15372.2
10°	15292.7
12.5°	15202.0
15°	15079.6
17.5°	14914.5
20°	14716.7
22.5°	14517.9
25°	14309.9
27.5°	14061.2
30°	13770.7
32.5°	13129.4
35°	12208.9
37.5°	11102.8
40°	9814.2
42.5°	8403.3
45°	6895.5
47.5°	5457.1
50°	4077.8
52.5°	2871.8
55°	1821.7
57.5°	1315.1
60°	1167.3
62.5°	1066.3
65°	1009.2
67.5°	966.4
70°	924.6
72.5°	870.6
75°	797.2
77.5°	706.5
80°	595.4
82.5°	476.1
85°	358.8
87.5°	248.7
90°	160.1
92.5°	153.9
95°	157.0
97.5°	159.0
100°	160.1
102.5°	161.1
105°	162.1
107.5°	163.1
110°	163.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	163.1
115°	163.1
117.5°	162.1
120°	161.1
122.5°	160.1
125°	159.0
127.5°	157.0
130°	156.0
132.5°	153.9
135°	152.9
137.5°	150.9
140°	148.8
142.5°	147.8
145°	145.8
147.5°	144.8
150°	142.7
152.5°	138.6
155°	132.5
157.5°	126.4
160°	120.3
162.5°	114.2
165°	106.0
167.5°	99.9
170°	93.8
172.5°	89.7
175°	88.7
177.5°	88.7
180°	88.7

(END OF REPORT)