

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: P1505169

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505169
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-108)
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-CLER-PS (3500K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

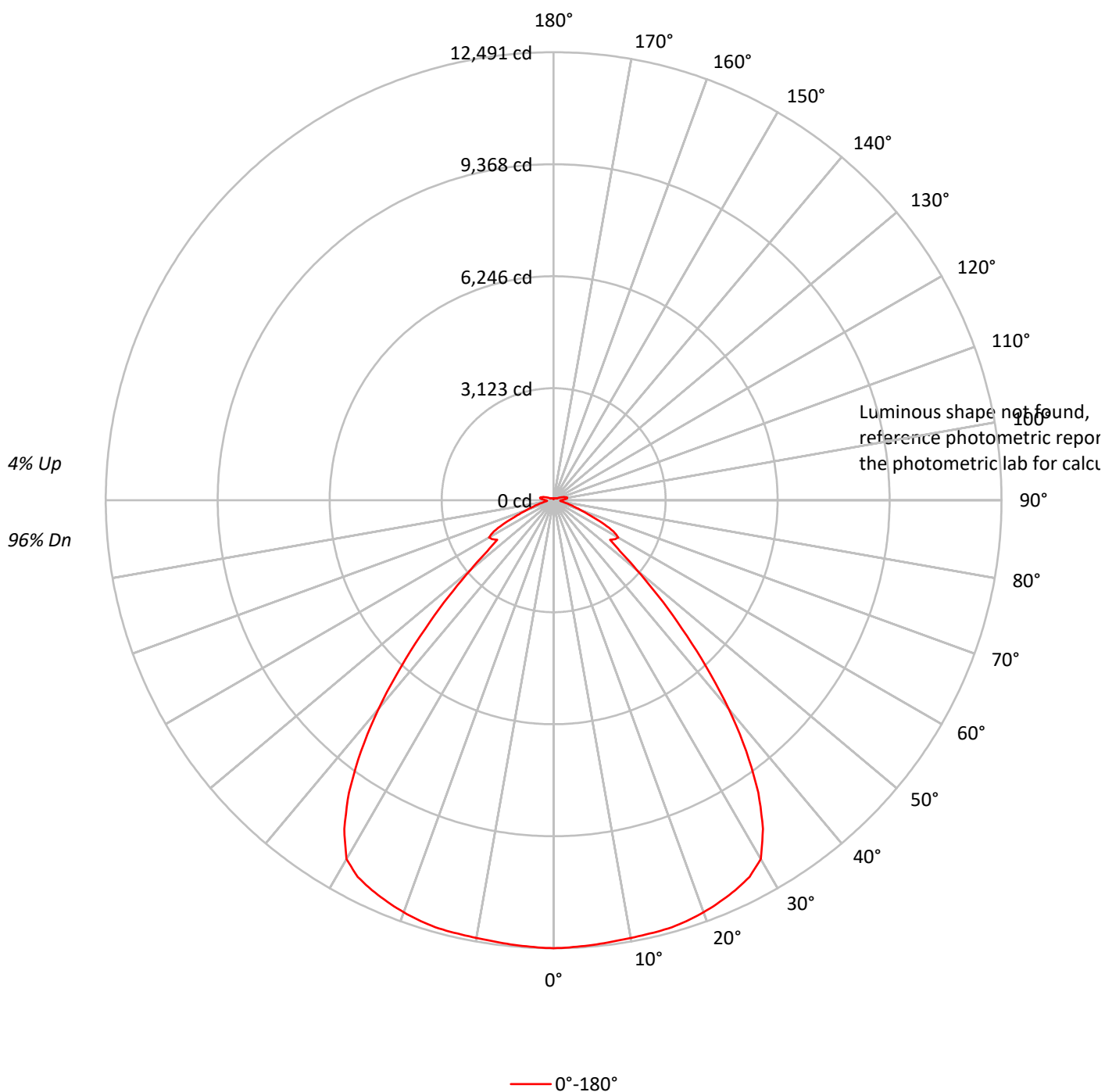
Lumens per Lamp: N/A
Luminaire Lumens: 25509.4 lumens
Efficiency: N/A
Efficacy: 162.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.22
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 157.5
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

TEST NUMBER: P1505169

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L24_Wide_120V)

Luminous Intensity Polar Plot





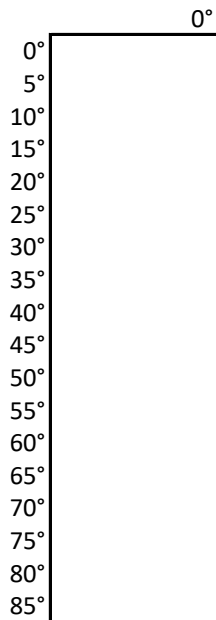
TEST NUMBER: P1505169

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L24_Wide_120V)

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	101	98	99	96	94	94	92	90	90	89	87	85		
2	102	96	90	86	99	93	88	84	89	85	82	86	82	79	82	79	77	75		
3	95	86	80	74	92	84	78	73	81	76	72	78	74	70	75	71	68	66		
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	69	64	61	59		
5	82	71	63	58	80	70	63	57	67	61	56	65	60	55	63	58	55	53		
6	76	65	57	52	74	64	57	51	62	55	51	60	54	50	58	53	49	47		
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	43		
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	39		
9	63	51	44	39	61	50	43	38	49	42	38	47	42	38	46	41	37	36		
10	59	47	40	35	58	47	40	35	45	39	35	44	39	35	43	38	34	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505169

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L24_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1186.3	4.7
10°-20°	3495.6	13.7
20°-30°	5527.4	21.7
30°-40°	6110.4	24.0
40°-50°	3944.1	15.5
50°-60°	1972.3	7.7
60°-70°	1457.0	5.7
70°-80°	508.2	2.0
80°-90°	223.0	0.9
90°-100°	343.6	1.3
100°-110°	346.6	1.4
110°-120°	168.2	0.7
120°-130°	77.2	0.3
130°-140°	57.1	0.2
140°-150°	43.9	0.2
150°-160°	29.6	0.1
160°-170°	14.9	0.1
170°-180°	3.9	0.0
0°-30°	10209.4	40.0
0°-40°	16319.7	64.0
0°-60°	22236.1	87.2
0°-90°	24424.4	95.7
90°-120°	858.4	3.4
90°-150°	1036.6	4.1
90°-180°	1085.0	4.3
0°-180°	25509.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12491	
5°	12447	###
15°	12361	3496
25°	11995	5527
35°	9951	6110
45°	5058	3944
55°	1921	1972
65°	1490	1457
75°	460	508
85°	184	167
90°	218	122
95°	322	277
105°	333	347
115°	163	168
125°	82	77
135°	74	57
145°	70	44
155°	64	30
165°	52	15
175°	39	4
180°	37	

TEST NUMBER: P1505169

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L24_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	12491.0
2.5°	12470.2
5°	12446.9
7.5°	12417.1
10°	12392.1
12.5°	12375.5
15°	12361.4
17.5°	12310.8
20°	12226.9
22.5°	12119.8
25°	11995.2
27.5°	11837.4
30°	11550.1
32.5°	10865.0
35°	9950.8
37.5°	8825.6
40°	7604.0
42.5°	6292.8
45°	5058.0
47.5°	3956.9
50°	3026.8
52.5°	2326.8
55°	1920.7
57.5°	2024.5
60°	2079.3
62.5°	1885.9
65°	1489.7
67.5°	1094.5
70°	794.7
72.5°	597.9
75°	460.0
77.5°	344.6
80°	259.1
82.5°	205.9
85°	184.4
87.5°	189.3
90°	217.6
92.5°	267.4
95°	322.2
97.5°	369.5
100°	385.3
102.5°	367.9
105°	333.0
107.5°	291.5
110°	246.6

TEST NUMBER: P1505169

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L24_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	202.6
115°	162.8
117.5°	131.2
120°	108.8
122.5°	93.0
125°	82.2
127.5°	76.4
130°	73.9
132.5°	73.9
135°	73.9
137.5°	73.9
140°	72.2
142.5°	70.6
145°	69.8
147.5°	68.9
150°	67.3
152.5°	65.6
155°	63.9
157.5°	62.3
160°	59.0
162.5°	55.6
165°	52.3
167.5°	48.2
170°	44.8
172.5°	41.5
175°	39.0
177.5°	37.4
180°	37.4

(END OF REPORT)