

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: P1505640

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (5000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505640
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-123)
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-WHGL-PS (5000K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

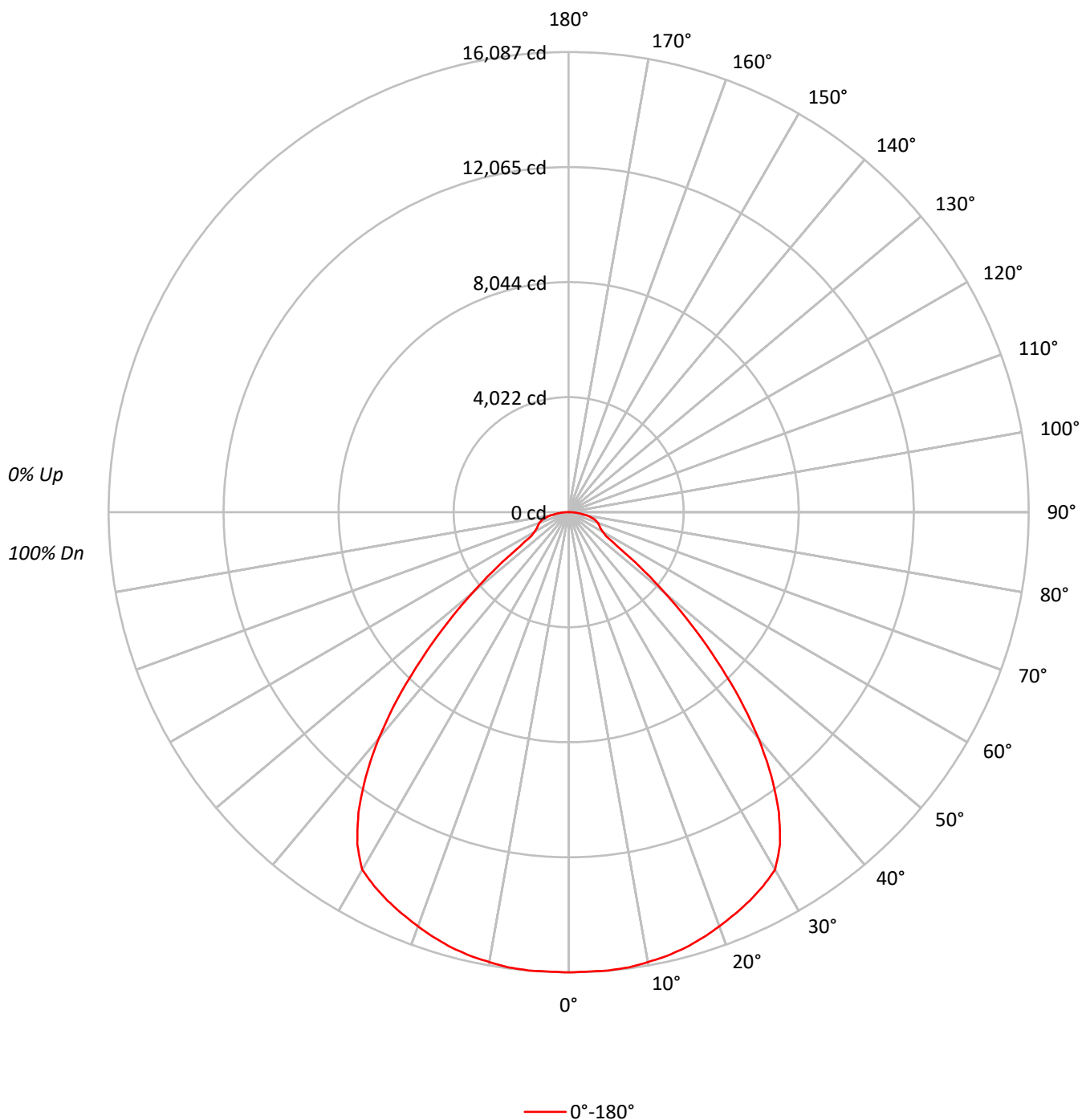
Lumens per Lamp: N/A
Luminaire Lumens: 31014.8 lumens
Efficiency: N/A
Efficacy: 158.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.25
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1505640

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (5000K_L32_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505640

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (5000K_L32_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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89		
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50		
7	73	61	53	48	71	60	53	48	59	52	48	57	52	47	56	51	47	45		
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41		
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38		
10	60	48	41	36	59	48	41	36	47	41	36	46	40	36	45	40	36	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102491
5°	102849
10°	103329
15°	103980
20°	104446
25°	105337
30°	106198
35°	99636
40°	85929
45°	65792
50°	43651
55°	22838
60°	17617
65°	18095
70°	20239
75°	22258
80°	23045
85°	22033

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65792 cd/sqm

TEST NUMBER: P1505640

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (5000K_L32_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1531.6	4.9
10°-20°	4452.0	14.4
20°-30°	6911.2	22.3
30°-40°	7897.2	25.5
40°-50°	5618.7	18.1
50°-60°	2132.3	6.9
60°-70°	1201.6	3.9
70°-80°	936.3	3.0
80°-90°	334.1	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	12894.8	41.6
0°-40°	20792.0	67.0
0°-60°	28542.9	92.0
0°-90°	31014.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31014.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16087	
5°	16082	###
15°	15764	4452
25°	14984	6911
35°	12810	7897
45°	7302	5619
55°	2056	2132
65°	1200	1202
75°	904	936
85°	301	334
90°	0	

TEST NUMBER: P1505640

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (5000K_L32_Wide_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	16086.7
2.5°	16072.0
5°	16081.5
7.5°	16049.8
10°	15971.9
12.5°	15884.4
15°	15764.3
17.5°	15600.9
20°	15404.9
22.5°	15202.6
25°	14984.4
27.5°	14730.4
30°	14435.4
32.5°	13757.8
35°	12810.4
37.5°	11655.4
40°	10331.8
42.5°	8860.6
45°	7302.0
47.5°	5817.1
50°	4404.0
52.5°	3128.8
55°	2056.0
57.5°	1547.0
60°	1382.6
62.5°	1268.8
65°	1200.3
67.5°	1145.5
70°	1086.5
72.5°	1006.4
75°	904.2
77.5°	778.8
80°	628.1
82.5°	465.8
85°	301.4
87.5°	146.5
90°	0.0

(END OF REPORT)