

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: P1505491

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (4000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505491
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-116)
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-BLAK-PS (4000K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

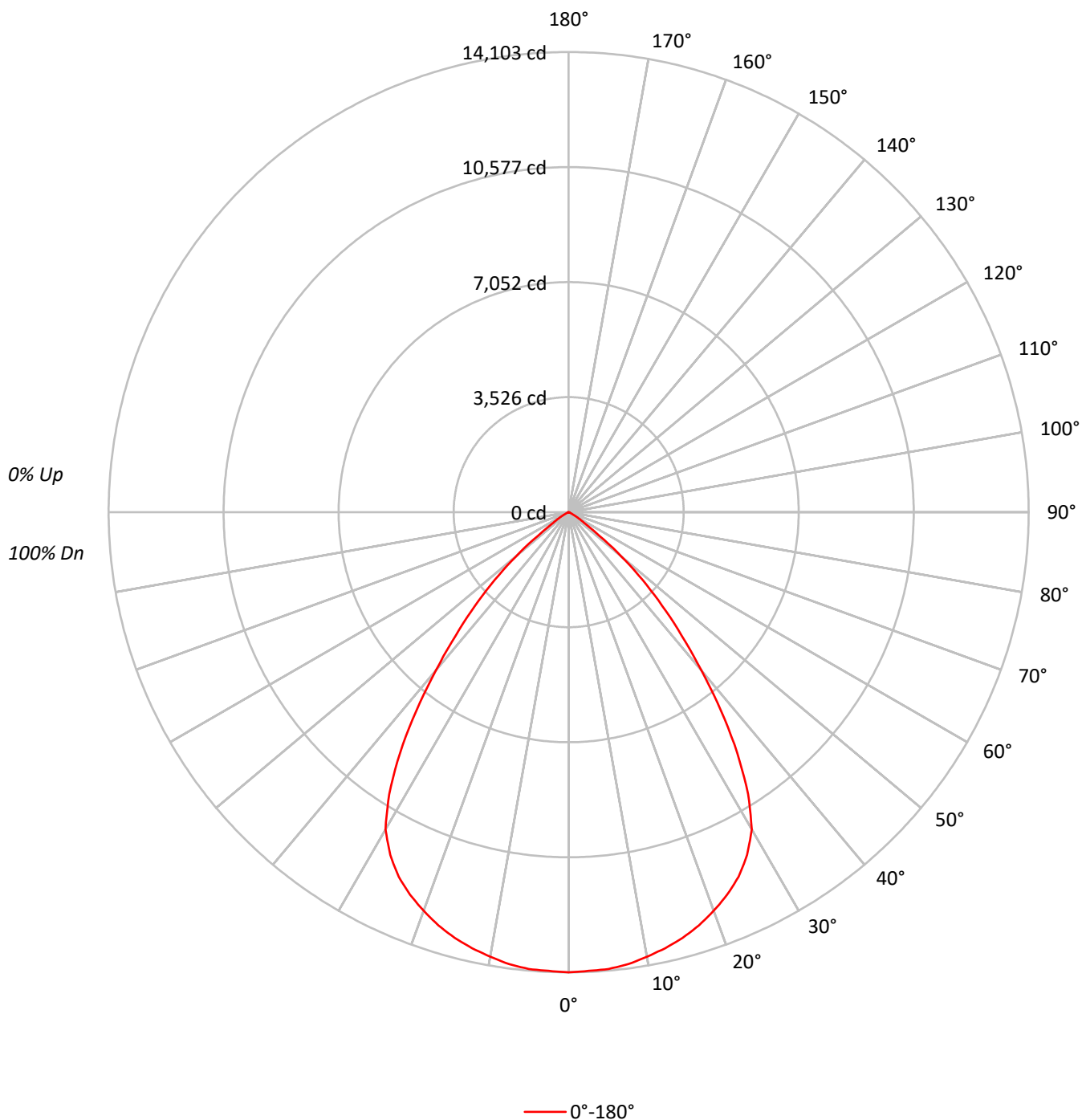
Lumens per Lamp: N/A
Luminaire Lumens: 20340.3 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.11
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1505491

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (4000K_L24_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505491

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (4000K_L24_Medium_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	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92							
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	85	84							
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	80	78	76							
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69							
5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65	63							
6	83	73	66	61	81	72	65	61	70	64	60	69	64	60	67	63	59	58							
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53							
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49							
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	55	50	46	45							
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89850
5°	89874
10°	89495
15°	89089
20°	88125
25°	86639
30°	82604
35°	70104
40°	52617
45°	36520
50°	20964
55°	6752
60°	3112
65°	868
70°	561
75°	593
80°	631
85°	629

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36520 cd/sqm

TEST NUMBER: P1505491

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (4000K_L24_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1334.4	6.6
10°-20°	3806.8	18.7
20°-30°	5644.1	27.7
30°-40°	5547.6	27.3
40°-50°	3143.8	15.5
50°-60°	742.8	3.7
60°-70°	85.9	0.4
70°-80°	25.3	0.1
80°-90°	9.6	0.0
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°	10785.3	53.0
0°-40°	16332.9	80.3
0°-60°	20219.5	99.4
0°-90°	20340.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20340.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14103	
5°	14053	###
15°	13507	3807
25°	12325	5644
35°	9013	5548
45°	4053	3144
55°	608	743
65°	58	86
75°	24	25
85°	9	10
90°	0	

TEST NUMBER: P1505491

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (4000K_L24_Medium_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	14102.7
2.5°	14072.6
5°	14052.8
7.5°	13973.7
10°	13833.6
12.5°	13684.8
15°	13506.8
17.5°	13279.0
20°	12997.8
22.5°	12695.2
25°	12324.6
27.5°	11845.7
30°	11228.3
32.5°	10241.3
35°	9013.4
37.5°	7680.7
40°	6326.5
42.5°	5121.9
45°	4053.2
47.5°	3069.5
50°	2115.1
52.5°	1189.1
55°	607.9
57.5°	402.4
60°	244.2
62.5°	120.4
65°	57.6
67.5°	36.1
70°	30.1
72.5°	27.5
75°	24.1
77.5°	20.6
80°	17.2
82.5°	12.9
85°	8.6
87.5°	5.2
90°	0.0

(END OF REPORT)