

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: P1505260

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (3500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505260
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-110)
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-WHGL-PS (3500K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

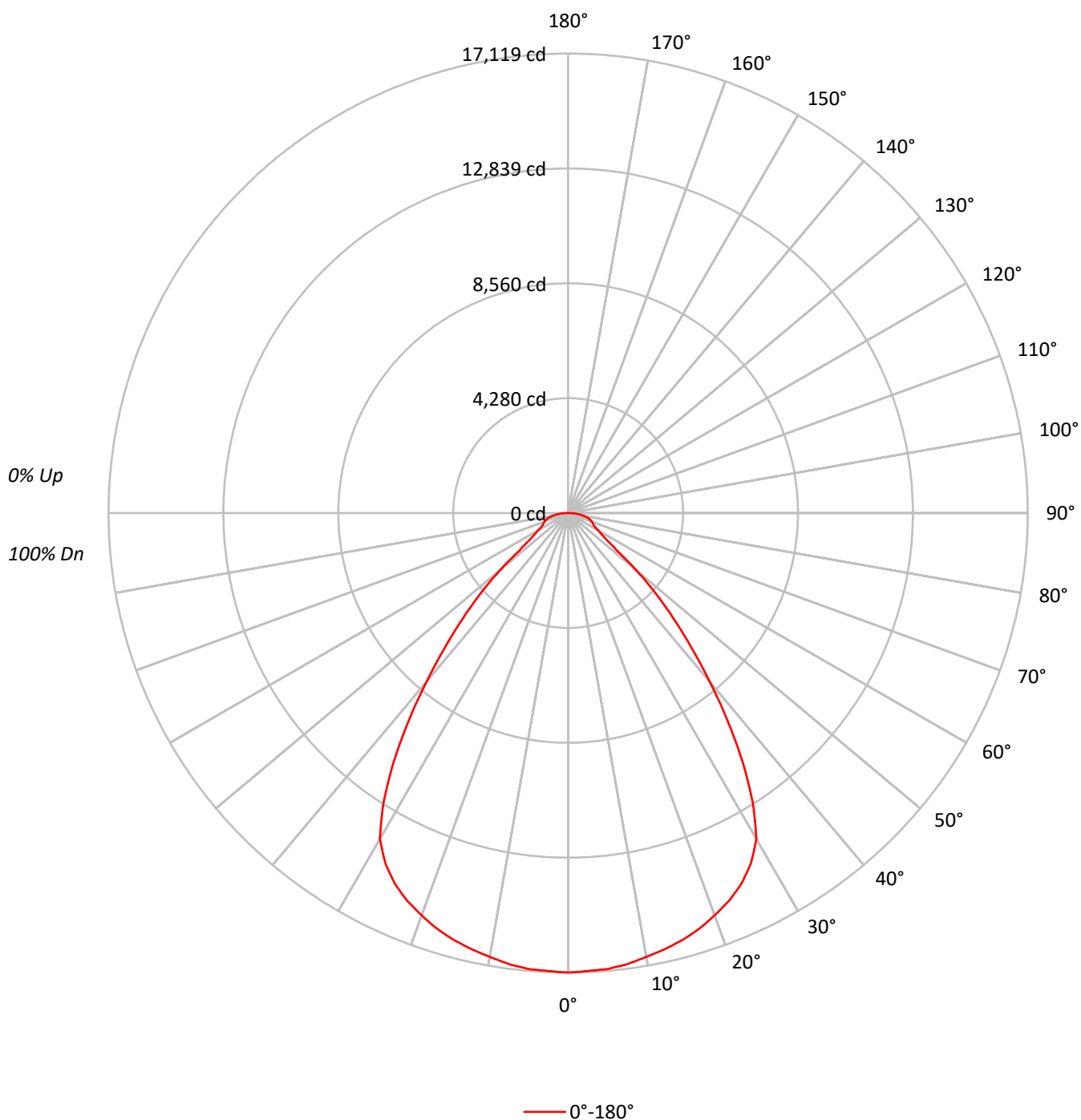
Lumens per Lamp: N/A
Luminaire Lumens: 28493.9 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.13
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 196.2
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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	108	104	101		109	105	102	100		101	99	97		97	95	94		94	92	91
2	104	97	92	88		101	96	91	87		92	88	85		89	86	83		86	83	81
3	97	88	82	77		95	87	81	76		84	79	75		82	77	74		79	76	73
4	90	81	74	68		88	79	73	68		77	71	67		75	70	66		73	69	65
5	84	74	67	61		83	73	66	61		71	65	60		69	64	60		67	63	59
6	79	68	61	55		77	67	60	55		65	59	55		64	58	54		62	58	54
7	74	63	55	50		73	62	55	50		61	54	50		59	54	49		58	53	49
8	70	58	51	46		68	57	51	46		56	50	45		55	49	45		54	49	45
9	66	54	47	42		64	53	47	42		52	46	42		51	46	42		50	45	41
10	62	50	43	39		61	50	43	39		49	43	39		48	42	38		47	42	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	114200
5°	114154
10°	113726
15°	113705
20°	113216
25°	112271
30°	108033
35°	92333
40°	71373
45°	52237
50°	34144
55°	20237
60°	17171
65°	16432
70°	18373
75°	20439
80°	22435
85°	23957

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52237 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1618.8	5.7
10°-20°	4644.8	16.3
20°-30°	6987.7	24.5
30°-40°	6996.9	24.6
40°-50°	4298.9	15.1
50°-60°	1732.0	6.1
60°-70°	1056.7	3.7
70°-80°	826.2	2.9
80°-90°	332.0	1.2
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°	13251.3	46.5
0°-40°	20248.1	71.1
0°-60°	26279.0	92.2
0°-90°	28493.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28493.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17119	
5°	17047	###
15°	16464	4645
25°	15253	6988
35°	11338	6997
45°	5537	4299
55°	1740	1732
65°	1041	1057
75°	793	826
85°	313	332
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17119
2.5°	17076
5°	17047
7.5°	16946
10°	16789
12.5°	16640
15°	16464
17.5°	16238
20°	15948
22.5°	15638
25°	15253
27.5°	14729
30°	14025
32.5°	12800
35°	11338
37.5°	9765
40°	8196
42.5°	6781
45°	5537
47.5°	4407
50°	3290
52.5°	2275
55°	1740
57.5°	1489
60°	1287
62.5°	1123
65°	1041
67.5°	988
70°	942
72.5°	877
75°	793
77.5°	696
80°	584
82.5°	457
85°	313
87.5°	158
90°	0

(END OF REPORT)