

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: P1505076

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505076
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-87)
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-04-WHGL-PS (3000K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

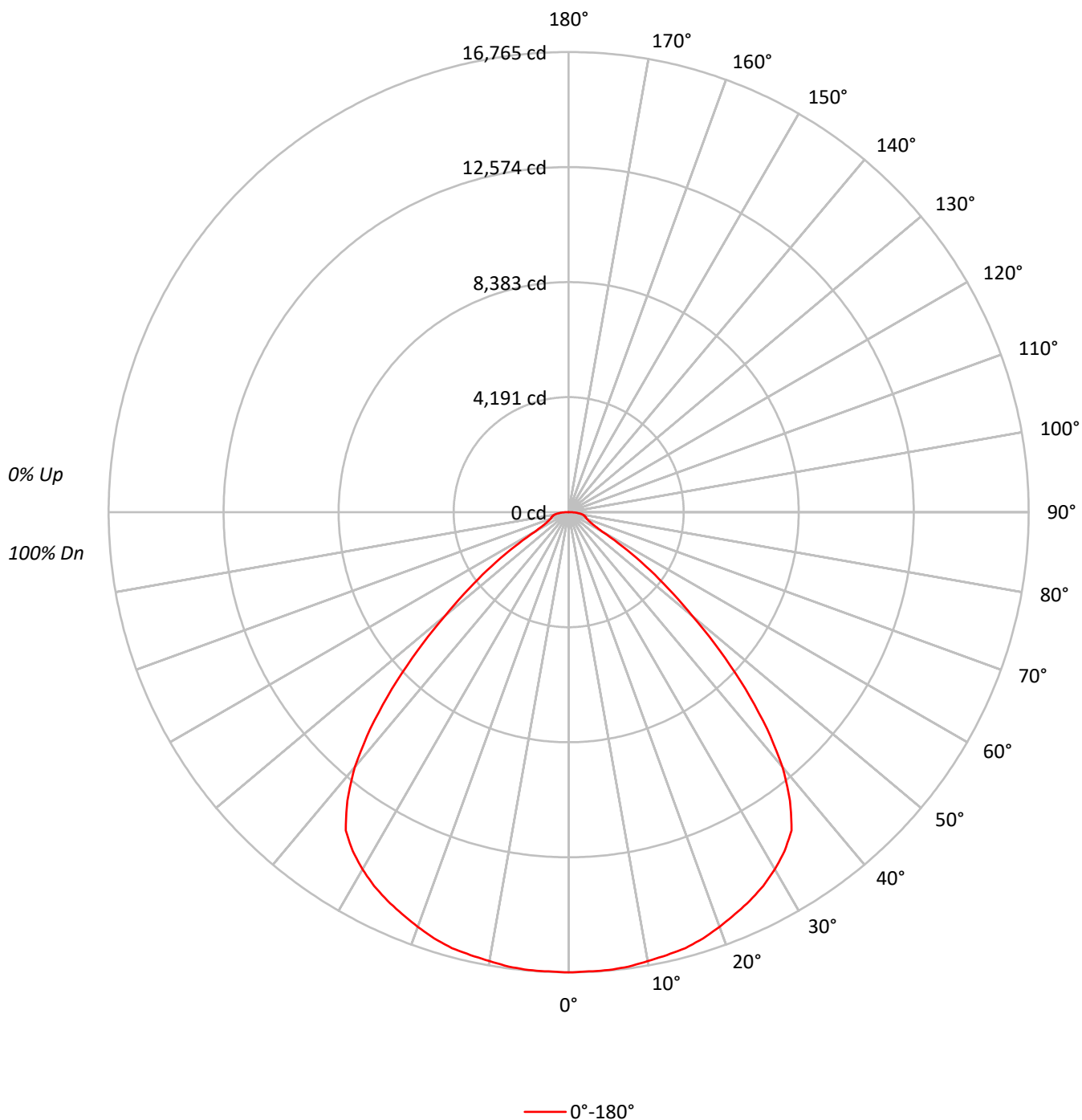
Lumens per Lamp: N/A
Luminaire Lumens: 34098.2 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 237.6
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					0
RW	70	50	30	10	70	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		100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89		89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79		79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		70
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62		62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55		55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49		49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45		45
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40		40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37		37
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34		34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	123012
5°	123332
10°	123744
15°	124896
20°	125530
25°	126461
30°	127306
35°	126847
40°	116135
45°	94524
50°	67357
55°	43773
60°	20595
65°	15305
70°	15067
75°	17787
80°	22003
85°	27320

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 94524 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1593.9	4.7
10°-20°	4640.9	13.6
20°-30°	7203.8	21.1
30°-40°	8701.5	25.5
40°-50°	6960.0	20.4
50°-60°	3094.2	9.1
60°-70°	921.7	2.7
70°-80°	657.4	1.9
80°-90°	324.7	1.0
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°	13438.6	39.4
0°-40°	22140.1	64.9
0°-60°	32194.3	94.4
0°-90°	34098.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34098.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16765	
5°	16744	###
15°	16441	4641
25°	15620	7204
35°	14161	8701
45°	9109	6960
55°	3422	3094
65°	882	922
75°	627	657
85°	324	325
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16764.6
2.5°	16746.5
5°	16744.2
7.5°	16697.7
10°	16608.1
12.5°	16526.4
15°	16441.3
17.5°	16282.5
20°	16076.0
22.5°	15850.2
25°	15619.9
27.5°	15353.3
30°	15025.4
32.5°	14642.0
35°	14160.9
37.5°	13249.9
40°	12124.5
42.5°	10697.3
45°	9109.0
47.5°	7474.1
50°	5900.6
52.5°	4559.6
55°	3421.7
57.5°	2333.7
60°	1403.4
62.5°	1024.5
65°	881.5
67.5°	771.5
70°	702.3
72.5°	663.7
75°	627.4
77.5°	585.4
80°	520.7
82.5°	436.8
85°	324.5
87.5°	171.3
90°	0.0

(END OF REPORT)