

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: P1505427

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (6500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505427
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-102)
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-04-TRWH-PS (6500K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

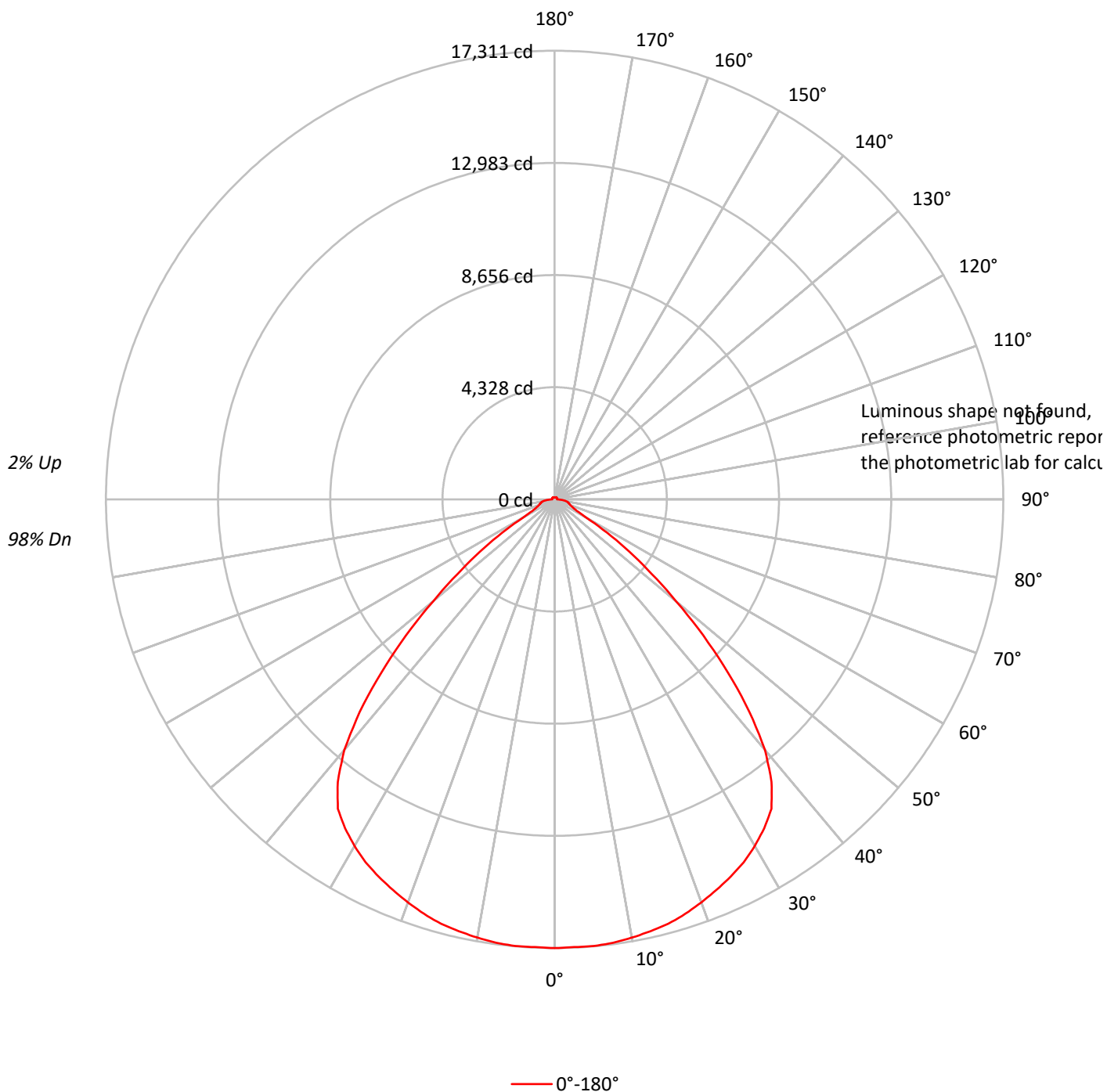
Lumens per Lamp: N/A
Luminaire Lumens: 35655.8 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 239.6
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



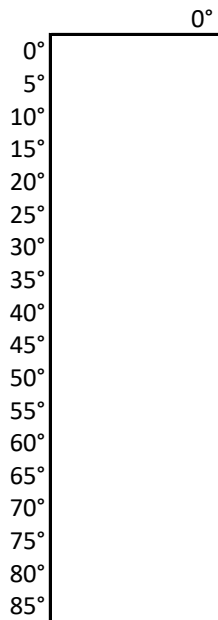
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100			98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	93	93	91	90			88
2	103	97	91	87	101	95	90	86	91	87	84	88	84	81	85	82	79			77
3	96	87	81	76	93	86	80	75	83	78	73	80	76	72	77	74	71			69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63			61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	56			54
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	60	55	51			49
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	55	50	46			44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	42			40
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35			33

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505427

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (6500K_L36_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1647.0	4.6
10°-20°	4784.9	13.4
20°-30°	7409.0	20.8
30°-40°	8980.3	25.2
40°-50°	7239.4	20.3
50°-60°	3189.7	8.9
60°-70°	869.6	2.4
70°-80°	596.7	1.7
80°-90°	328.0	0.9
90°-100°	106.3	0.3
100°-110°	106.6	0.3
110°-120°	100.2	0.3
120°-130°	89.8	0.3
130°-140°	76.3	0.2
140°-150°	61.9	0.2
150°-160°	42.3	0.1
160°-170°	21.6	0.1
170°-180°	6.3	0.0
0°-30°	13840.9	38.8
0°-40°	22821.2	64.0
0°-60°	33250.2	93.3
0°-90°	35044.5	98.3
90°-120°	313.1	0.9
90°-150°	541.1	1.5
90°-180°	611.0	1.7
0°-180°	35655.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17311	
5°	17297	###
15°	16952	4785
25°	16062	7409
35°	14578	8980
45°	9470	7239
55°	3520	3190
65°	817	870
75°	568	597
85°	312	287
90°	96	67
95°	97	80
105°	101	107
115°	101	100
125°	100	90
135°	98	76
145°	98	62
155°	90	42
165°	75	22
175°	66	6
180°	66	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17311.3
2.5°	17290.2
5°	17297.2
7.5°	17258.5
10°	17169.5
12.5°	17066.4
15°	16951.6
17.5°	16767.6
20°	16547.3
22.5°	16309.5
25°	16062.3
27.5°	15786.9
30°	15442.5
32.5°	15042.9
35°	14577.8
37.5°	13742.4
40°	12618.8
42.5°	11130.8
45°	9470.5
47.5°	7775.1
50°	6128.9
52.5°	4712.4
55°	3519.7
57.5°	2396.0
60°	1415.4
62.5°	969.0
65°	816.6
67.5°	708.9
70°	638.6
72.5°	602.2
75°	568.3
77.5°	530.8
80°	475.7
82.5°	405.4
85°	311.7
87.5°	201.5
90°	96.1
92.5°	96.1
95°	97.2
97.5°	98.4
100°	99.6
102.5°	100.8
105°	100.8
107.5°	100.8
110°	101.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	100.8
115°	100.8
117.5°	100.8
120°	100.8
122.5°	100.8
125°	99.6
127.5°	99.6
130°	99.6
132.5°	98.4
135°	98.4
137.5°	98.4
140°	98.4
142.5°	98.4
145°	98.4
147.5°	98.4
150°	99.6
152.5°	94.9
155°	90.2
157.5°	86.7
160°	83.2
162.5°	79.7
165°	75.0
167.5°	71.5
170°	68.0
172.5°	65.6
175°	65.6
177.5°	65.6
180°	65.6

(END OF REPORT)