

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: P1505391

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505391
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 (3000K_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

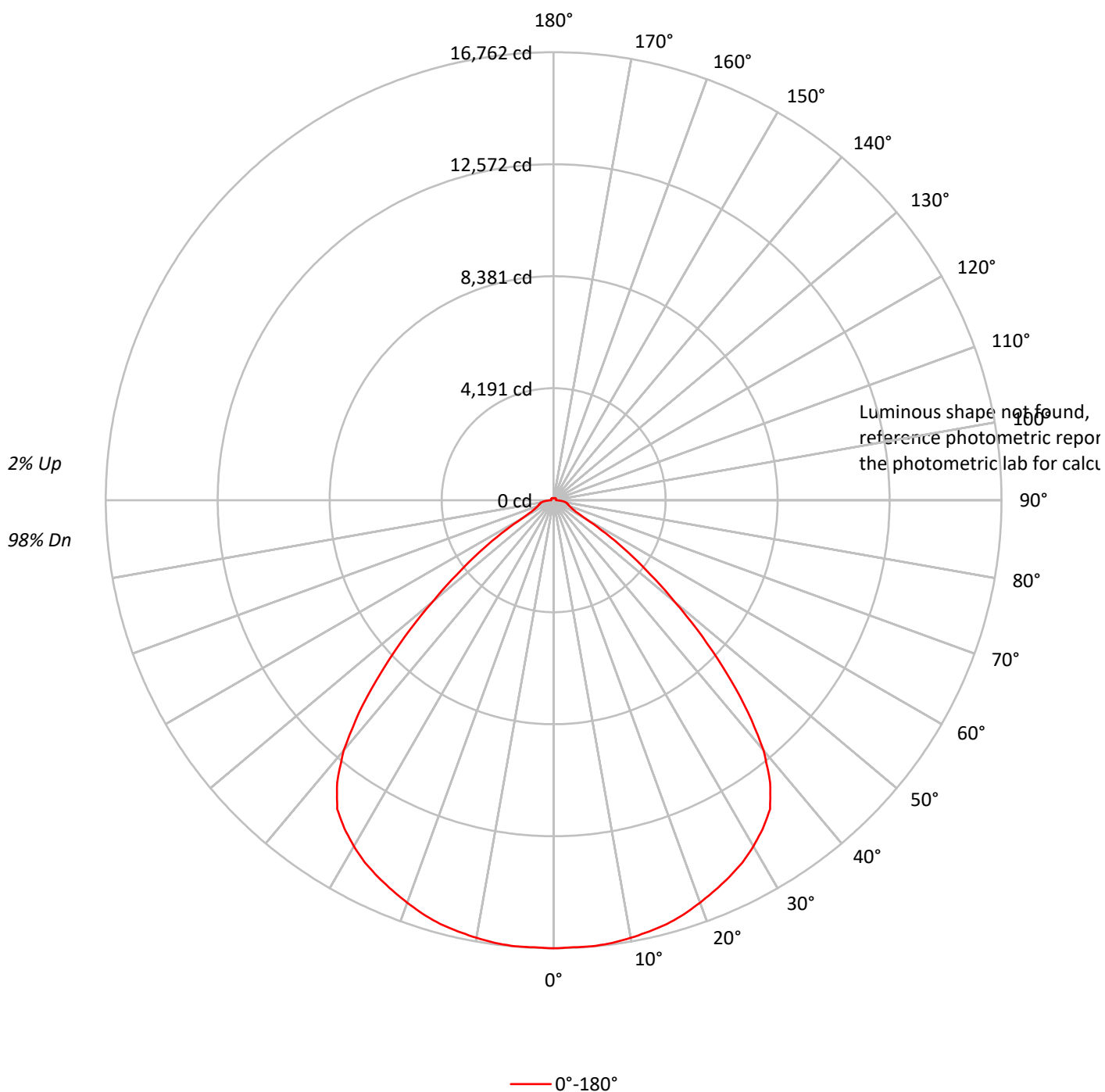
Lumens per Lamp: N/A
Luminaire Lumens: 34525.2 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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



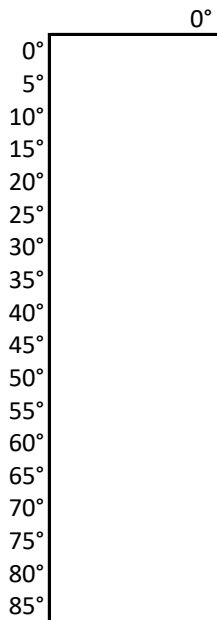
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1594.8	4.6
10°-20°	4633.2	13.4
20°-30°	7174.1	20.8
30°-40°	8695.6	25.2
40°-50°	7009.8	20.3
50°-60°	3088.5	8.9
60°-70°	842.0	2.4
70°-80°	577.7	1.7
80°-90°	317.6	0.9
90°-100°	102.9	0.3
100°-110°	103.2	0.3
110°-120°	97.0	0.3
120°-130°	86.9	0.3
130°-140°	73.9	0.2
140°-150°	59.9	0.2
150°-160°	40.9	0.1
160°-170°	20.9	0.1
170°-180°	6.1	0.0
0°-30°	13402.0	38.8
0°-40°	22097.6	64.0
0°-60°	32196.0	93.3
0°-90°	33933.3	98.3
90°-120°	303.1	0.9
90°-150°	523.9	1.5
90°-180°	592.0	1.7
0°-180°	34525.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16762	
5°	16749	###
15°	16414	4633
25°	15553	7174
35°	14116	8696
45°	9170	7010
55°	3408	3089
65°	791	842
75°	550	578
85°	302	278
90°	93	65
95°	94	77
105°	98	103
115°	98	97
125°	96	87
135°	95	74
145°	95	60
155°	87	41
165°	73	21
175°	64	6
180°	64	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16762.4
2.5°	16741.9
5°	16748.8
7.5°	16711.3
10°	16625.1
12.5°	16525.3
15°	16414.1
17.5°	16236.0
20°	16022.7
22.5°	15792.4
25°	15553.0
27.5°	15286.4
30°	14952.8
32.5°	14566.0
35°	14115.6
37.5°	13306.7
40°	12218.7
42.5°	10777.8
45°	9170.2
47.5°	7528.6
50°	5934.6
52.5°	4563.0
55°	3408.1
57.5°	2320.1
60°	1370.5
62.5°	938.2
65°	790.8
67.5°	686.4
70°	618.3
72.5°	583.1
75°	550.2
77.5°	513.9
80°	460.6
82.5°	392.5
85°	301.8
87.5°	195.1
90°	93.0
92.5°	93.0
95°	94.2
97.5°	95.3
100°	96.4
102.5°	97.6
105°	97.6
107.5°	97.6
110°	98.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	97.6
115°	97.6
117.5°	97.6
120°	97.6
122.5°	97.6
125°	96.4
127.5°	96.4
130°	96.4
132.5°	95.3
135°	95.3
137.5°	95.3
140°	95.3
142.5°	95.3
145°	95.3
147.5°	95.3
150°	96.4
152.5°	91.9
155°	87.4
157.5°	84.0
160°	80.6
162.5°	77.1
165°	72.6
167.5°	69.2
170°	65.8
172.5°	63.5
175°	63.5
177.5°	63.5
180°	63.5

(END OF REPORT)