

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: P1505395

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505395
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-101)
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 (3500K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

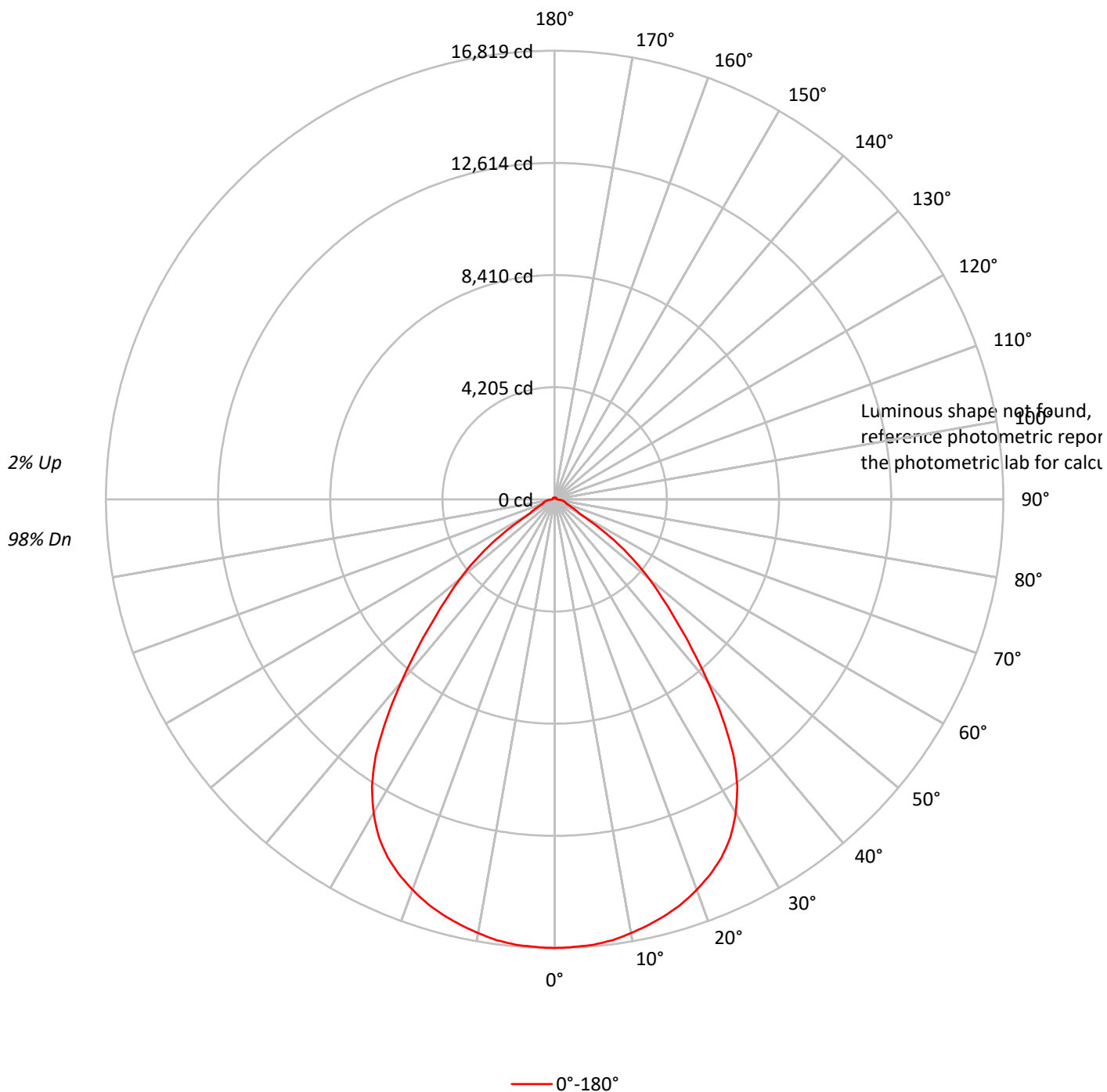
Lumens per Lamp: N/A
Luminaire Lumens: 29546.2 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 196.3
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





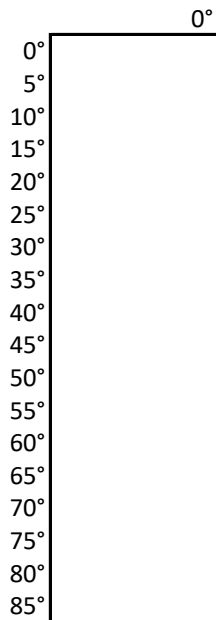
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101						98		
1	111	108	104	102	109	105	102	100	101	99	96	97	95	93	93	92	90						88		
2	104	97	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81						79		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72						70		
4	90	81	73	68	88	79	73	68	77	71	67	74	69	66	72	68	65						63		
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	62	58						56		
6	79	67	60	55	77	66	59	54	65	58	54	63	57	53	61	57	53						51		
7	73	62	55	49	72	61	54	49	60	53	49	58	53	48	57	52	48						46		
8	69	57	50	45	67	57	50	45	55	49	44	54	48	44	53	48	44						42		
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40						39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37						35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1591.7	5.4
10°-20°	4549.9	15.4
20°-30°	6786.8	23.0
30°-40°	7170.2	24.3
40°-50°	5056.5	17.1
50°-60°	2538.4	8.6
60°-70°	744.1	2.5
70°-80°	430.2	1.5
80°-90°	224.6	0.8
90°-100°	77.7	0.3
100°-110°	78.3	0.3
110°-120°	74.1	0.3
120°-130°	65.8	0.2
130°-140°	56.5	0.2
140°-150°	46.7	0.2
150°-160°	32.5	0.1
160°-170°	17.0	0.1
170°-180°	5.1	0.0
0°-30°	12928.5	43.8
0°-40°	20098.7	68.0
0°-60°	27693.6	93.7
0°-90°	29092.4	98.5
90°-120°	230.1	0.8
90°-150°	399.2	1.4
90°-180°	454.0	1.5
0°-180°	29546.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16819	
5°	16757	###
15°	16133	4550
25°	14803	6787
35°	11686	7170
45°	6464	5056
55°	2877	2538
65°	727	744
75°	408	430
85°	210	196
90°	71	48
95°	71	58
105°	74	78
115°	75	74
125°	73	66
135°	73	57
145°	74	47
155°	69	32
165°	59	17
175°	53	5
180°	54	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16819
2.5°	16792
5°	16757
7.5°	16666
10°	16509
12.5°	16331
15°	16133
17.5°	15885
20°	15574
22.5°	15227
25°	14803
27.5°	14275
30°	13576
32.5°	12745
35°	11686
37.5°	10329
40°	8949
42.5°	7631
45°	6464
47.5°	5475
50°	4617
52.5°	3762
55°	2877
57.5°	1940
60°	1131
62.5°	902
65°	727
67.5°	580
70°	481
72.5°	439
75°	408
77.5°	376
80°	330
82.5°	273
85°	210
87.5°	141
90°	71
92.5°	70
95°	71
97.5°	72
100°	73
102.5°	74
105°	74
107.5°	74
110°	75

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	75
115°	75
117.5°	74
120°	74
122.5°	74
125°	73
127.5°	73
130°	73
132.5°	73
135°	73
137.5°	73
140°	73
142.5°	74
145°	74
147.5°	75
150°	76
152.5°	73
155°	69
157.5°	67
160°	65
162.5°	62
165°	59
167.5°	57
170°	55
172.5°	53
175°	53
177.5°	54
180°	54

(END OF REPORT)