

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: P1505035

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505035
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-89)
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-TRWH-PS (3500K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

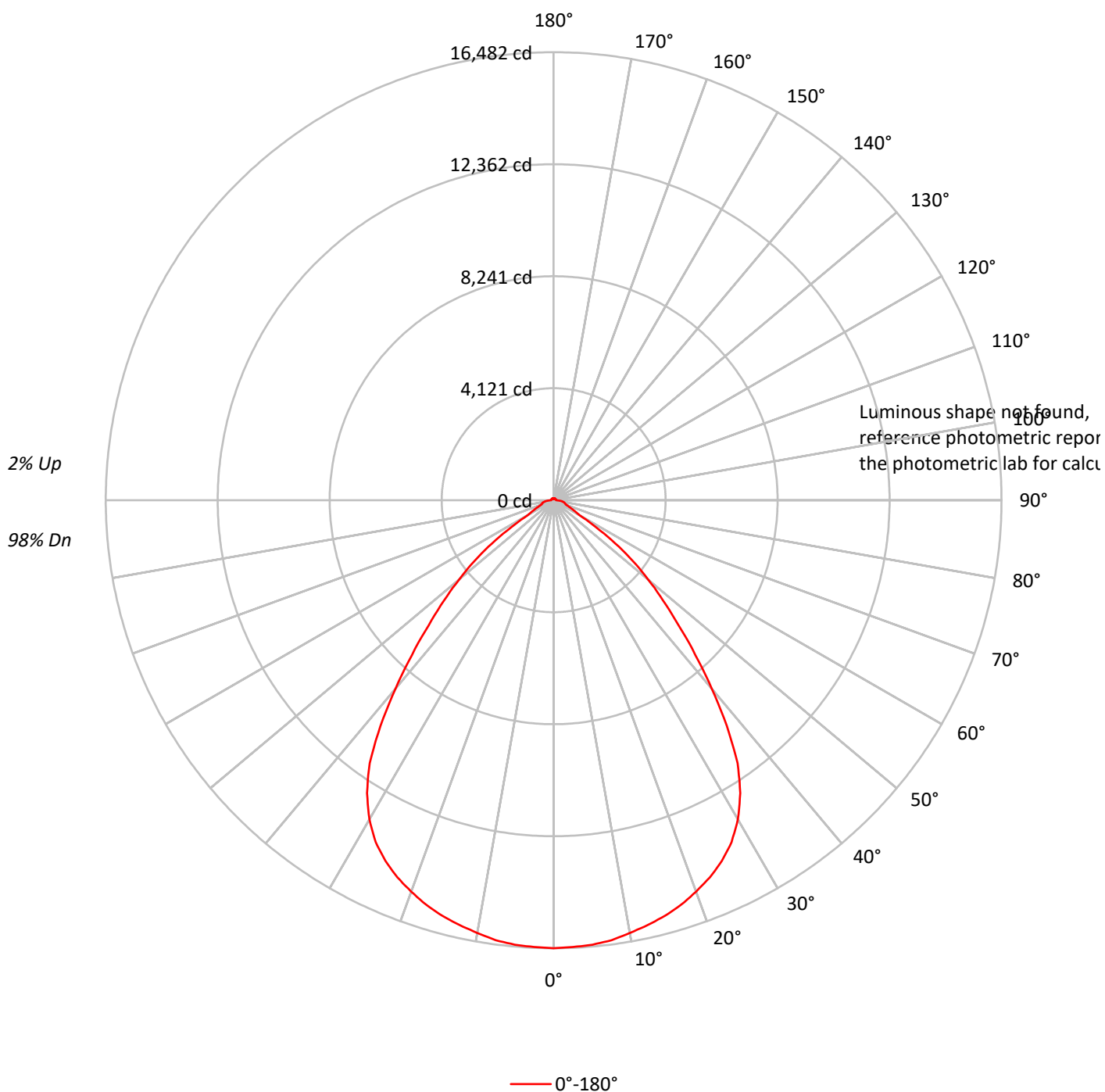
Lumens per Lamp: N/A
Luminaire Lumens: 29481.8 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 196.1
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



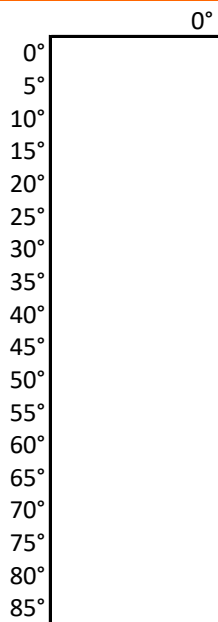
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	100	100	100						98		
1	111	108	104	101	108	105	102	100	101	98	96	97	95	93	93	91	90						88		
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	83	80						78		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72						70		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64						62		
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58						56		
6	78	67	60	54	77	66	59	54	64	58	54	63	57	53	61	56	52						51		
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	57	52	48						46		
8	69	57	50	45	67	56	49	44	55	49	44	54	48	44	52	47	44						42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	44	40						38		
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	40	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°	1559.0	5.3
10°-20°	4465.7	15.1
20°-30°	6720.7	22.8
30°-40°	7224.3	24.5
40°-50°	5081.7	17.2
50°-60°	2465.4	8.4
60°-70°	736.4	2.5
70°-80°	454.3	1.5
80°-90°	261.5	0.9
90°-100°	94.8	0.3
100°-110°	92.0	0.3
110°-120°	85.0	0.3
120°-130°	74.2	0.3
130°-140°	62.3	0.2
140°-150°	51.2	0.2
150°-160°	33.6	0.1
160°-170°	15.6	0.1
170°-180°	4.2	0.0
0°-30°	12745.4	43.2
0°-40°	19969.7	67.7
0°-60°	27516.8	93.3
0°-90°	28969.0	98.3
90°-120°	271.8	0.9
90°-150°	459.4	1.6
90°-180°	513.0	1.7
0°-180°	29481.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16482	
5°	16414	###
15°	15829	4466
25°	14645	6721
35°	11803	7224
45°	6504	5082
55°	2770	2465
65°	721	736
75°	429	454
85°	248	225
90°	90	60
95°	86	71
105°	87	92
115°	86	85
125°	83	74
135°	80	62
145°	82	51
155°	71	34
165°	54	16
175°	42	4
180°	41	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16482
2.5°	16452
5°	16414
7.5°	16324
10°	16163
12.5°	16007
15°	15829
17.5°	15604
20°	15324
22.5°	15018
25°	14645
27.5°	14179
30°	13556
32.5°	12782
35°	11803
37.5°	10465
40°	9053
42.5°	7722
45°	6504
47.5°	5467
50°	4547
52.5°	3683
55°	2770
57.5°	1854
60°	1093
62.5°	884
65°	721
67.5°	584
70°	495
72.5°	456
75°	429
77.5°	405
80°	364
82.5°	312
85°	248
87.5°	173
90°	90
92.5°	86
95°	86
97.5°	87
100°	87
102.5°	87
105°	87
107.5°	87
110°	87

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	86
115°	86
117.5°	85
120°	84
122.5°	83
125°	83
127.5°	82
130°	81
132.5°	81
135°	80
137.5°	80
140°	80
142.5°	81
145°	82
147.5°	82
150°	82
152.5°	77
155°	71
157.5°	68
160°	63
162.5°	58
165°	54
167.5°	50
170°	47
172.5°	44
175°	42
177.5°	41
180°	41

(END OF REPORT)