

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: P1505026

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505026
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 (3000K_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

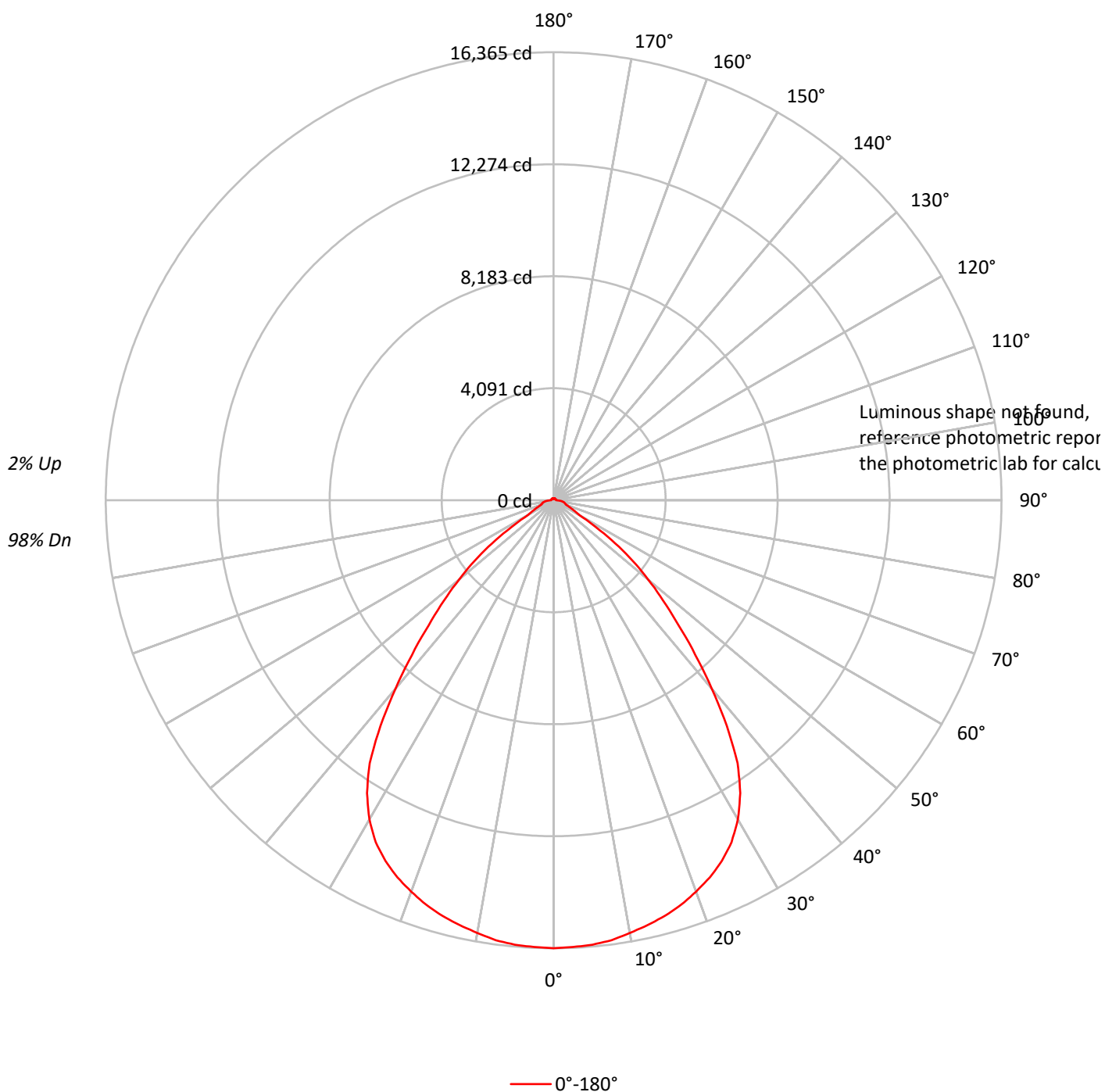
Lumens per Lamp: N/A
Luminaire Lumens: 29272.6 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 199.4
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°	1547.9	5.3
10°-20°	4434.0	15.1
20°-30°	6673.0	22.8
30°-40°	7173.0	24.5
40°-50°	5045.6	17.2
50°-60°	2447.8	8.4
60°-70°	731.2	2.5
70°-80°	451.1	1.5
80°-90°	259.6	0.9
90°-100°	94.1	0.3
100°-110°	91.4	0.3
110°-120°	84.4	0.3
120°-130°	73.6	0.3
130°-140°	61.8	0.2
140°-150°	50.8	0.2
150°-160°	33.4	0.1
160°-170°	15.5	0.1
170°-180°	4.1	0.0
0°-30°	12655.0	43.2
0°-40°	19827.9	67.7
0°-60°	27321.4	93.3
0°-90°	28763.4	98.3
90°-120°	269.9	0.9
90°-150°	456.2	1.6
90°-180°	509.0	1.7
0°-180°	29272.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16365	
5°	16298	###
15°	15717	4434
25°	14541	6673
35°	11719	7173
45°	6458	5046
55°	2750	2448
65°	716	731
75°	426	451
85°	246	224
90°	89	60
95°	85	70
105°	86	91
115°	85	84
125°	82	74
135°	79	62
145°	81	51
155°	70	33
165°	54	15
175°	42	4
180°	41	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16365.0
2.5°	16335.2
5°	16297.5
7.5°	16208.1
10°	16048.2
12.5°	15893.4
15°	15716.6
17.5°	15493.2
20°	15215.2
22.5°	14911.4
25°	14541.0
27.5°	14078.3
30°	13459.8
32.5°	12691.3
35°	11719.2
37.5°	10390.7
40°	8988.7
42.5°	7667.2
45°	6457.8
47.5°	5428.2
50°	4514.7
52.5°	3656.9
55°	2750.3
57.5°	1840.8
60°	1085.2
62.5°	877.7
65°	715.9
67.5°	579.9
70°	491.5
72.5°	452.8
75°	426.0
77.5°	402.1
80°	361.4
82.5°	309.8
85°	246.2
87.5°	171.8
90°	89.4
92.5°	85.4
95°	85.4
97.5°	86.4
100°	86.4
102.5°	86.4
105°	86.4
107.5°	86.4
110°	86.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	85.4
115°	85.4
117.5°	84.4
120°	83.4
122.5°	82.4
125°	82.4
127.5°	81.4
130°	80.4
132.5°	80.4
135°	79.4
137.5°	79.4
140°	79.4
142.5°	80.4
145°	81.4
147.5°	81.4
150°	81.4
152.5°	76.5
155°	70.5
157.5°	67.5
160°	62.6
162.5°	57.6
165°	53.6
167.5°	49.6
170°	46.7
172.5°	43.7
175°	41.7
177.5°	40.7
180°	40.7

(END OF REPORT)