

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: P1505008

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (5000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505008
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-83)
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-CLER-PS (5000K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

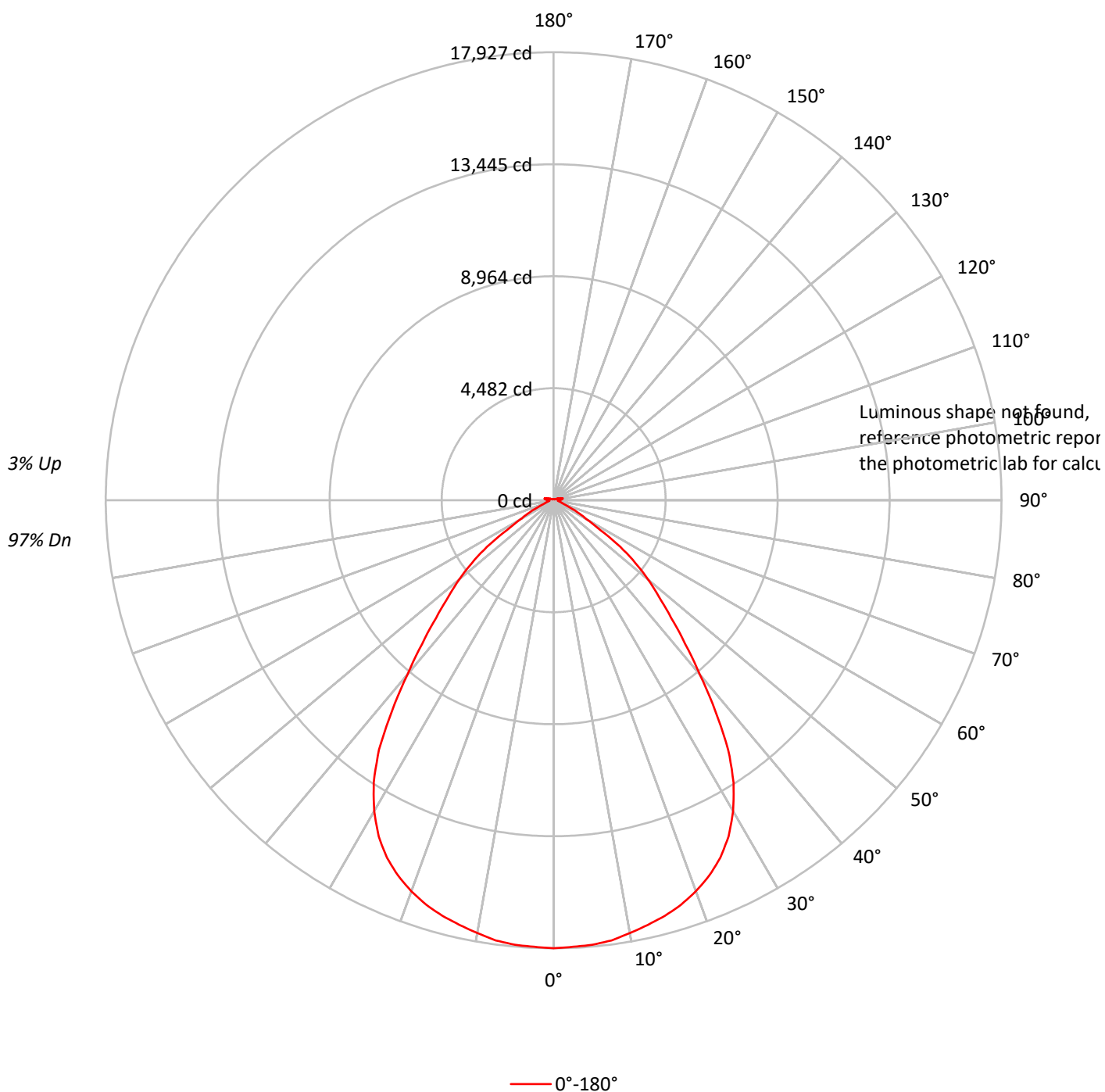
Lumens per Lamp: N/A
Luminaire Lumens: 31690.0 lumens
Efficiency: N/A
Efficacy: 162.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 195.5
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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	104	97	92	88	101	95	90	87	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	58	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	44	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38		
10	61	49	42	38	59	49	42	37	47	41	37	46	41	37	45	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°	1696.1	5.4
10°-20°	4855.9	15.3
20°-30°	7227.4	22.8
30°-40°	7465.2	23.6
40°-50°	5216.7	16.5
50°-60°	2850.1	9.0
60°-70°	875.8	2.8
70°-80°	308.6	1.0
80°-90°	197.0	0.6
90°-100°	335.1	1.1
100°-110°	336.0	1.1
110°-120°	152.3	0.5
120°-130°	59.7	0.2
130°-140°	40.4	0.1
140°-150°	33.9	0.1
150°-160°	23.9	0.1
160°-170°	12.4	0.0
170°-180°	3.6	0.0
0°-30°	13779.4	43.5
0°-40°	21244.6	67.0
0°-60°	29311.4	92.5
0°-90°	30692.8	96.9
90°-120°	823.4	2.6
90°-150°	957.3	3.0
90°-180°	997.0	3.1
0°-180°	31690.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17927	
5°	17853	###
15°	17212	4856
25°	15783	7227
35°	12180	7465
45°	6646	5217
55°	3254	2850
65°	842	876
75°	288	309
85°	164	144
90°	211	118
95°	316	270
105°	326	336
115°	148	152
125°	63	60
135°	52	40
145°	54	34
155°	52	24
165°	43	12
175°	37	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17926.7
2.5°	17888.8
5°	17852.9
7.5°	17764.4
10°	17586.3
12.5°	17404.0
15°	17212.2
17.5°	16970.9
20°	16652.6
22.5°	16261.7
25°	15783.2
27.5°	15163.6
30°	14371.1
32.5°	13402.6
35°	12180.2
37.5°	10630.0
40°	9108.3
42.5°	7792.0
45°	6646.5
47.5°	5705.4
50°	4947.7
52.5°	4123.6
55°	3254.2
57.5°	2228.9
60°	1525.9
62.5°	1188.7
65°	842.0
67.5°	562.7
70°	405.7
72.5°	332.0
75°	287.7
77.5°	245.5
80°	203.4
82.5°	172.8
85°	164.4
87.5°	178.1
90°	210.8
92.5°	263.5
95°	316.1
97.5°	357.2
100°	374.1
102.5°	359.4
105°	325.6
107.5°	280.3
110°	231.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	186.5
115°	147.5
117.5°	114.9
120°	90.6
122.5°	73.8
125°	63.2
127.5°	55.9
130°	52.7
132.5°	51.6
135°	51.6
137.5°	52.7
140°	52.7
142.5°	53.7
145°	53.7
147.5°	54.8
150°	54.8
152.5°	53.7
155°	51.6
157.5°	49.5
160°	47.4
162.5°	45.3
165°	43.2
167.5°	41.1
170°	39.0
172.5°	37.9
175°	36.9
177.5°	36.9
180°	36.9

(END OF REPORT)