

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: P1505009

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (5000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505009
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-82)
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_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

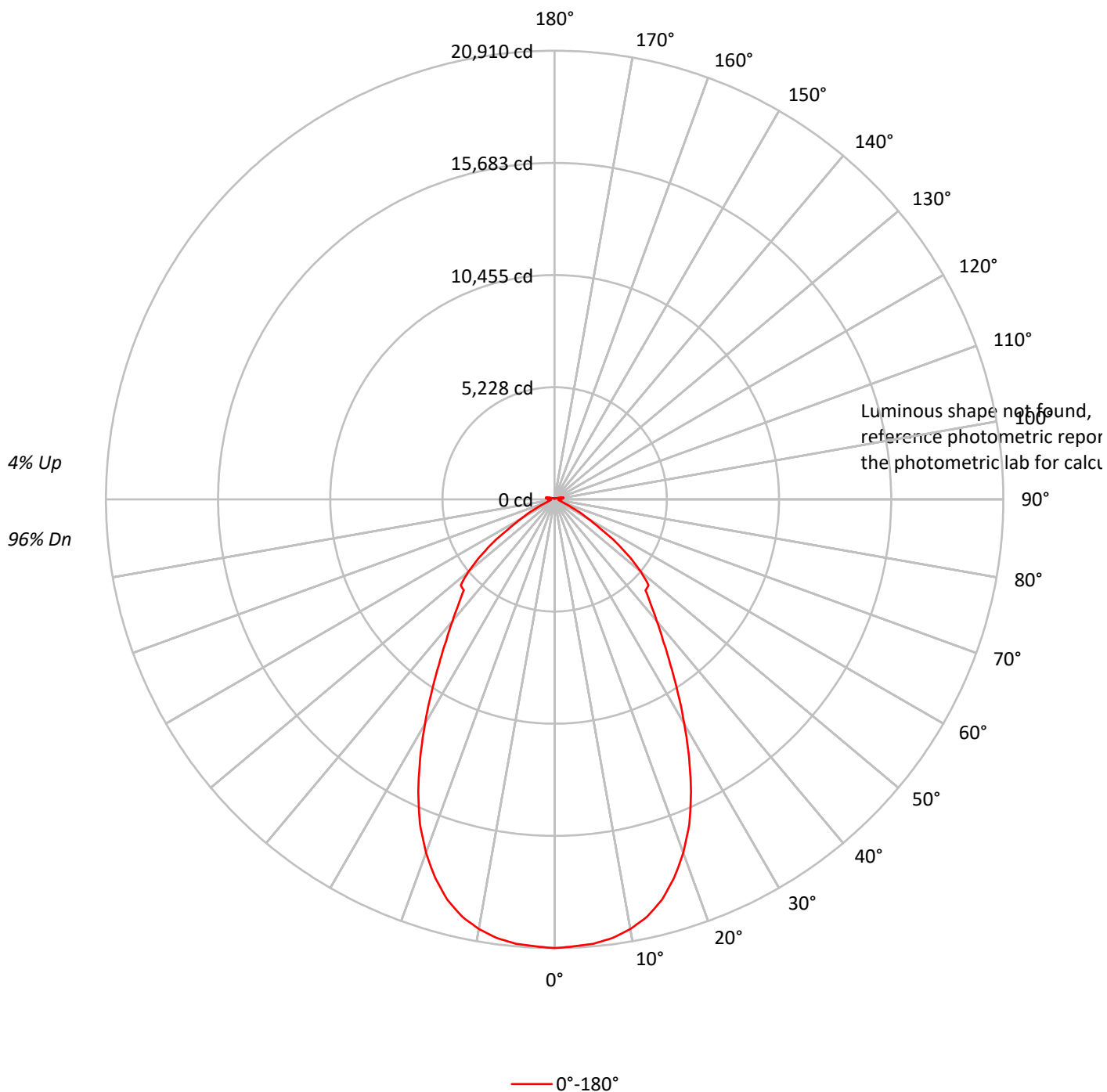
Lumens per Lamp: N/A
Luminaire Lumens: 30563.4 lumens
Efficiency: N/A
Efficacy: 156.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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





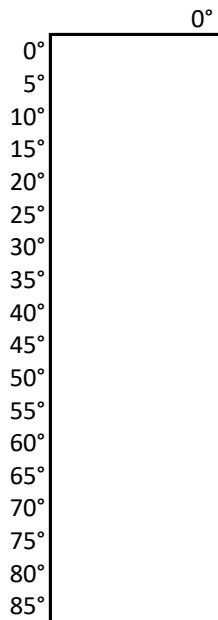
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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		
R	CR																			
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	87	91	87	84	88	84	82	84	82	79	77		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	46	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	49	44	41	39		
10	62	50	43	39	60	50	43	39	49	43	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (5000K_L32_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1969.7	6.4
10°-20°	5391.5	17.6
20°-30°	6842.7	22.4
30°-40°	5928.4	19.4
40°-50°	4796.5	15.7
50°-60°	3088.8	10.1
60°-70°	949.1	3.1
70°-80°	305.5	1.0
80°-90°	218.5	0.7
90°-100°	384.2	1.3
100°-110°	365.5	1.2
110°-120°	155.3	0.5
120°-130°	58.1	0.2
130°-140°	38.1	0.1
140°-150°	31.9	0.1
150°-160°	23.0	0.1
160°-170°	12.7	0.0
170°-180°	3.9	0.0
0°-30°	14203.9	46.5
0°-40°	20132.2	65.9
0°-60°	28017.5	91.7
0°-90°	29490.6	96.5
90°-120°	905.1	3.0
90°-150°	1033.1	3.4
90°-180°	1073.0	3.5
0°-180°	30563.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20910	
5°	20789	###
15°	19315	5391
25°	15035	6843
35°	9389	5928
45°	5989	4796
55°	3486	3089
65°	876	949
75°	284	305
85°	182	156
90°	249	139
95°	365	308
105°	354	366
115°	149	155
125°	61	58
135°	48	38
145°	51	32
155°	50	23
165°	44	13
175°	41	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20910.1
2.5°	20845.8
5°	20788.9
7.5°	20615.0
10°	20331.6
12.5°	19915.3
15°	19314.6
17.5°	18495.8
20°	17523.1
22.5°	16386.0
25°	15035.0
27.5°	13558.6
30°	12078.0
32.5°	10686.9
35°	9388.6
37.5°	8301.0
40°	7401.1
42.5°	6625.4
45°	5988.9
47.5°	5936.2
50°	5247.0
52.5°	4404.0
55°	3486.1
57.5°	2494.4
60°	1802.1
62.5°	1325.7
65°	875.7
67.5°	559.6
70°	399.4
72.5°	324.6
75°	283.5
77.5°	245.5
80°	208.7
82.5°	183.4
85°	182.3
87.5°	206.6
90°	248.7
92.5°	307.7
95°	364.6
97.5°	404.7
100°	416.3
102.5°	396.2
105°	354.1
107.5°	299.3
110°	243.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	191.8
115°	148.6
117.5°	114.9
120°	89.6
122.5°	72.7
125°	61.1
127.5°	53.7
130°	50.6
132.5°	48.5
135°	48.5
137.5°	49.5
140°	49.5
142.5°	50.6
145°	50.6
147.5°	51.6
150°	51.6
152.5°	50.6
155°	49.5
157.5°	48.5
160°	47.4
162.5°	46.4
165°	44.3
167.5°	43.2
170°	42.2
172.5°	41.1
175°	41.1
177.5°	40.0
180°	40.0

(END OF REPORT)