

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: P1505000

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (4000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505000
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 (4000K_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

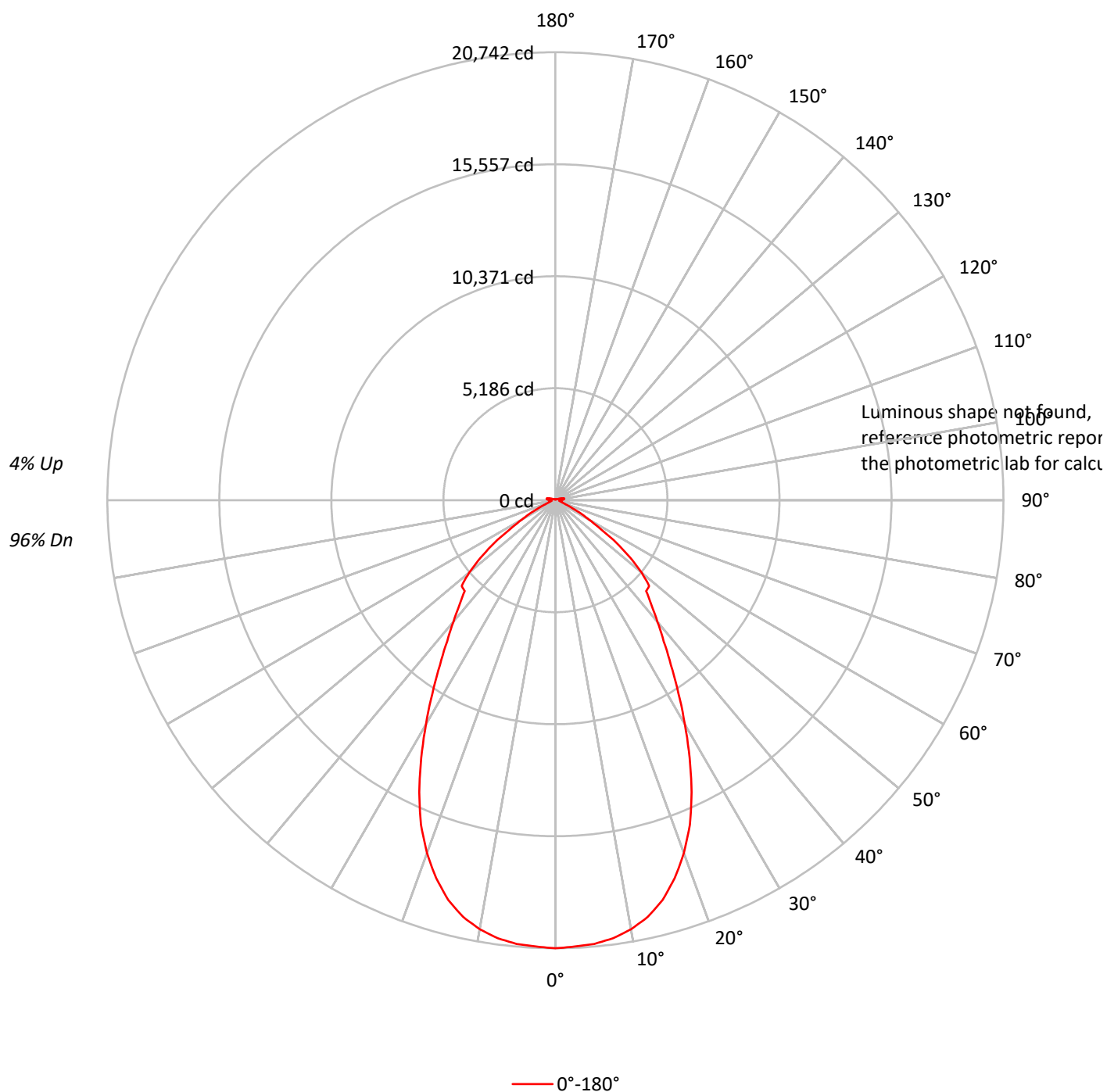
Lumens per Lamp: N/A
Luminaire Lumens: 30318.2 lumens
Efficiency: N/A
Efficacy: 156.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 194.3
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





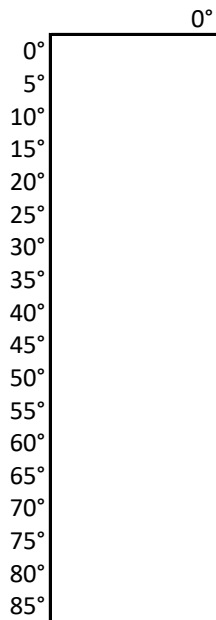
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
RCR																				
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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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1953.9	6.4
10°-20°	5348.2	17.6
20°-30°	6787.8	22.4
30°-40°	5880.8	19.4
40°-50°	4758.0	15.7
50°-60°	3064.0	10.1
60°-70°	941.5	3.1
70°-80°	303.0	1.0
80°-90°	216.8	0.7
90°-100°	381.2	1.3
100°-110°	362.6	1.2
110°-120°	154.0	0.5
120°-130°	57.6	0.2
130°-140°	37.7	0.1
140°-150°	31.7	0.1
150°-160°	22.8	0.1
160°-170°	12.6	0.0
170°-180°	3.9	0.0
0°-30°	14089.9	46.5
0°-40°	19970.7	65.9
0°-60°	27792.8	91.7
0°-90°	29254.1	96.5
90°-120°	897.8	3.0
90°-150°	1024.8	3.4
90°-180°	1064.0	3.5
0°-180°	30318.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20742	
5°	20622	###
15°	19160	5348
25°	14914	6788
35°	9313	5881
45°	5941	4758
55°	3458	3064
65°	869	941
75°	281	303
85°	181	155
90°	247	138
95°	362	306
105°	351	363
115°	147	154
125°	61	58
135°	48	38
145°	50	32
155°	49	23
165°	44	13
175°	41	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20742.4
2.5°	20678.6
5°	20622.2
7.5°	20449.7
10°	20168.5
12.5°	19755.6
15°	19159.7
17.5°	18347.4
20°	17382.6
22.5°	16254.6
25°	14914.4
27.5°	13449.8
30°	11981.1
32.5°	10601.2
35°	9313.3
37.5°	8234.5
40°	7341.7
42.5°	6572.3
45°	5940.9
47.5°	5888.6
50°	5204.9
52.5°	4368.6
55°	3458.1
57.5°	2474.4
60°	1787.6
62.5°	1315.1
65°	868.7
67.5°	555.1
70°	396.2
72.5°	322.0
75°	281.2
77.5°	243.6
80°	207.0
82.5°	181.9
85°	180.9
87.5°	204.9
90°	246.7
92.5°	305.3
95°	361.7
97.5°	401.4
100°	412.9
102.5°	393.1
105°	351.2
107.5°	296.9
110°	241.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	190.3
115°	147.4
117.5°	113.9
120°	88.9
122.5°	72.1
125°	60.6
127.5°	53.3
130°	50.2
132.5°	48.1
135°	48.1
137.5°	49.1
140°	49.1
142.5°	50.2
145°	50.2
147.5°	51.2
150°	51.2
152.5°	50.2
155°	49.1
157.5°	48.1
160°	47.0
162.5°	46.0
165°	43.9
167.5°	42.9
170°	41.8
172.5°	40.8
175°	40.8
177.5°	39.7
180°	39.7

(END OF REPORT)