

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: P1505018

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (6500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505018
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 (6500K_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

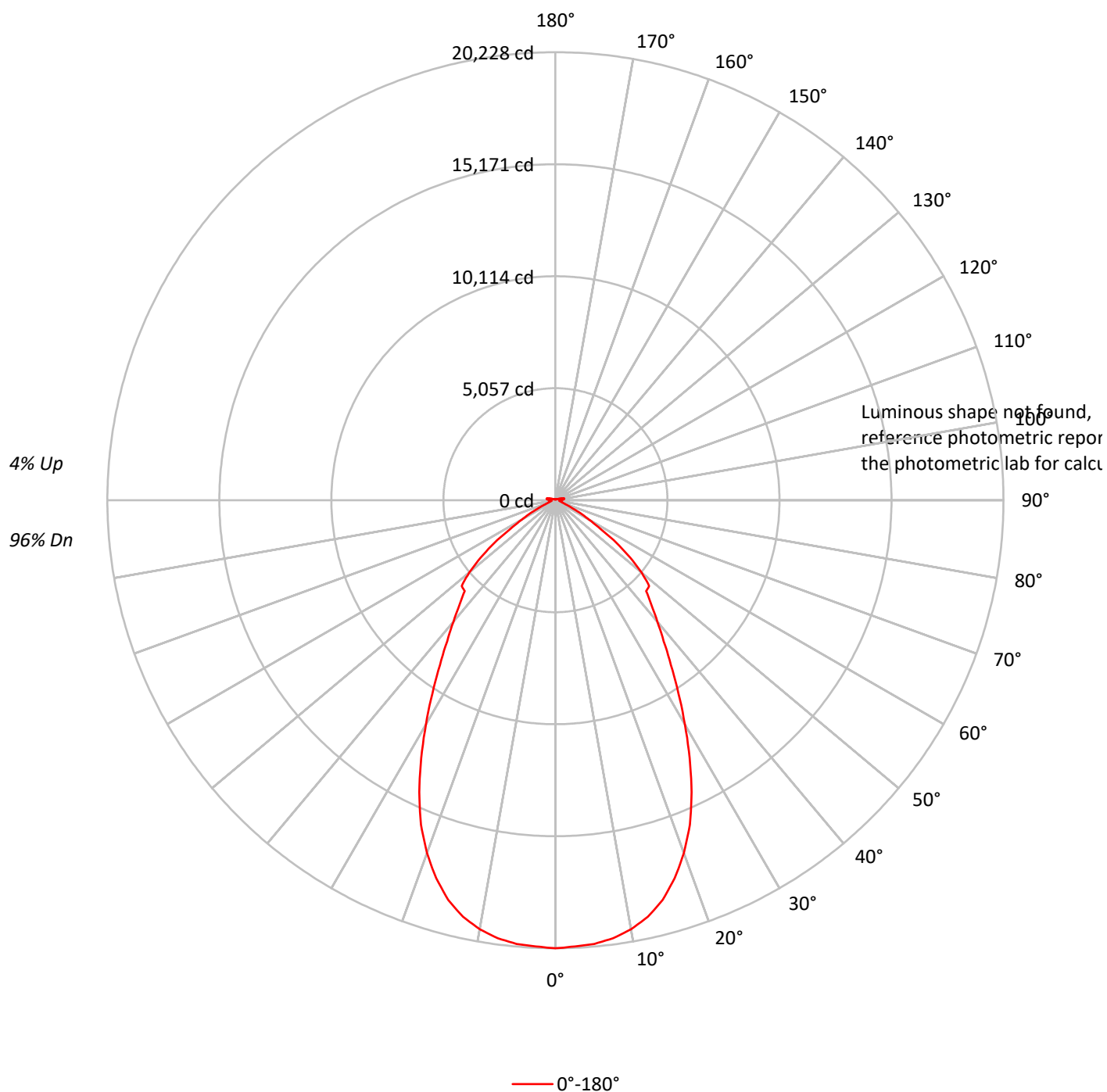
Lumens per Lamp: N/A
Luminaire Lumens: 29566.1 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 200.1
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





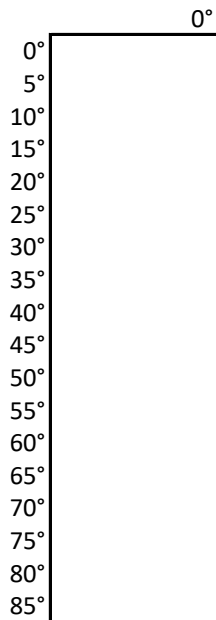
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	1905.4	6.4
10°-20°	5215.5	17.6
20°-30°	6619.4	22.4
30°-40°	5734.9	19.4
40°-50°	4639.9	15.7
50°-60°	2988.0	10.1
60°-70°	918.1	3.1
70°-80°	295.5	1.0
80°-90°	211.4	0.7
90°-100°	371.7	1.3
100°-110°	353.6	1.2
110°-120°	150.2	0.5
120°-130°	56.2	0.2
130°-140°	36.8	0.1
140°-150°	30.9	0.1
150°-160°	22.2	0.1
160°-170°	12.3	0.0
170°-180°	3.8	0.0
0°-30°	13740.4	46.5
0°-40°	19475.3	65.9
0°-60°	27103.3	91.7
0°-90°	28528.3	96.5
90°-120°	875.5	3.0
90°-150°	999.4	3.4
90°-180°	1038.0	3.5
0°-180°	29566.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20228	
5°	20111	###
15°	18684	5216
25°	14544	6619
35°	9082	5735
45°	5794	4640
55°	3372	2988
65°	847	918
75°	274	296
85°	176	151
90°	241	134
95°	353	298
105°	342	354
115°	144	150
125°	59	56
135°	47	37
145°	49	31
155°	48	22
165°	43	12
175°	40	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20227.8
2.5°	20165.6
5°	20110.6
7.5°	19942.4
10°	19668.1
12.5°	19265.5
15°	18684.4
17.5°	17892.3
20°	16951.3
22.5°	15851.3
25°	14544.4
27.5°	13116.2
30°	11683.9
32.5°	10338.2
35°	9082.2
37.5°	8030.2
40°	7159.6
42.5°	6409.2
45°	5793.5
47.5°	5742.5
50°	5075.8
52.5°	4260.3
55°	3372.3
57.5°	2413.0
60°	1743.3
62.5°	1282.5
65°	847.2
67.5°	541.3
70°	386.4
72.5°	314.0
75°	274.2
77.5°	237.5
80°	201.9
82.5°	177.4
85°	176.4
87.5°	199.8
90°	240.6
92.5°	297.7
95°	352.7
97.5°	391.5
100°	402.7
102.5°	383.3
105°	342.5
107.5°	289.5
110°	235.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	185.5
115°	143.7
117.5°	111.1
120°	86.7
122.5°	70.3
125°	59.1
127.5°	52.0
130°	48.9
132.5°	46.9
135°	46.9
137.5°	47.9
140°	47.9
142.5°	48.9
145°	48.9
147.5°	50.0
150°	50.0
152.5°	48.9
155°	47.9
157.5°	46.9
160°	45.9
162.5°	44.9
165°	42.8
167.5°	41.8
170°	40.8
172.5°	39.8
175°	39.8
177.5°	38.7
180°	38.7

(END OF REPORT)