

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: P1505197

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (6500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505197
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-107)
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-06-CLER-PS (6500K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

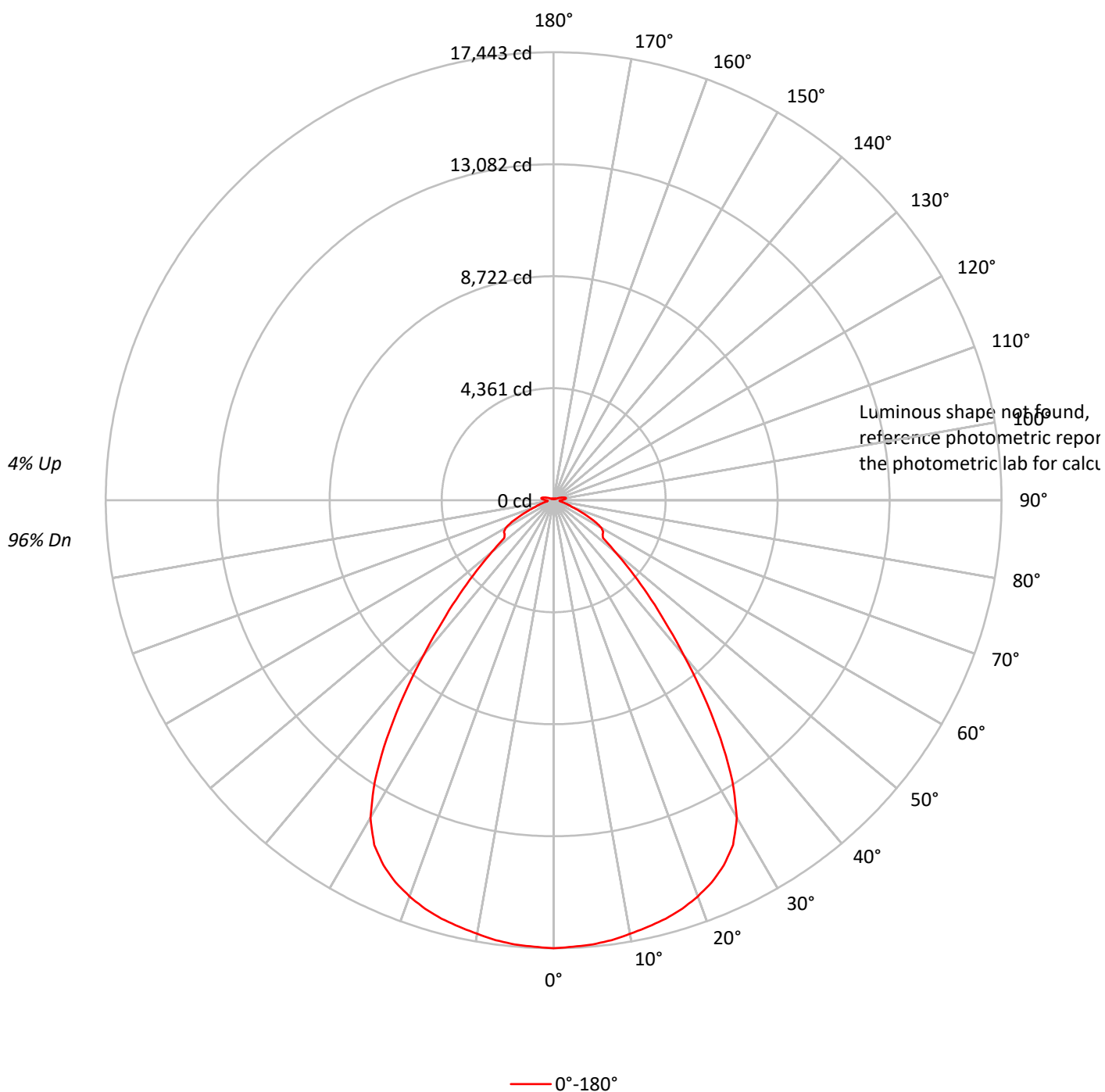
Lumens per Lamp: N/A
Luminaire Lumens: 30316.5 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.12
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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





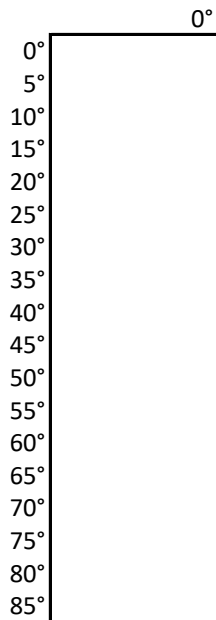
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
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	103	103	103	98	98	98	96			
1	110	107	103	101	107	104	101	98	99	97	95	95	93	91	90	89	88	85			
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76			
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68			
4	89	80	73	67	87	78	72	67	75	70	65	73	68	64	70	66	63	61			
5	83	73	65	60	81	72	65	60	69	63	59	67	62	58	65	60	57	55			
6	78	67	59	54	76	66	59	54	64	58	53	62	56	52	60	55	52	50			
7	73	62	54	49	71	61	54	49	59	53	48	57	52	48	56	51	47	45			
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41			
9	65	53	46	41	63	52	46	41	51	45	40	50	44	40	48	43	40	38			
10	61	49	42	38	60	49	42	38	48	42	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°	1650.2	5.4
10°-20°	4761.0	15.7
20°-30°	7175.2	23.7
30°-40°	6980.3	23.0
40°-50°	4043.5	13.3
50°-60°	2164.9	7.1
60°-70°	1419.8	4.7
70°-80°	525.2	1.7
80°-90°	271.2	0.9
90°-100°	447.3	1.5
100°-110°	425.4	1.4
110°-120°	196.7	0.6
120°-130°	87.1	0.3
130°-140°	63.9	0.2
140°-150°	49.5	0.2
150°-160°	33.7	0.1
160°-170°	17.0	0.1
170°-180°	4.6	0.0
0°-30°	13586.4	44.8
0°-40°	20566.7	67.8
0°-60°	26775.1	88.3
0°-90°	28991.2	95.6
90°-120°	1069.5	3.5
90°-150°	1269.9	4.2
90°-180°	1325.0	4.4
0°-180°	30316.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17443	
5°	17361	###
15°	16867	4761
25°	15682	7175
35°	11333	6980
45°	5168	4043
55°	2327	2165
65°	1417	1420
75°	481	525
85°	226	198
90°	288	161
95°	423	360
105°	407	425
115°	191	197
125°	93	87
135°	83	64
145°	78	49
155°	73	34
165°	59	17
175°	47	5
180°	46	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17442.7
2.5°	17397.8
5°	17361.1
7.5°	17274.5
10°	17140.9
12.5°	17006.4
15°	16866.7
17.5°	16676.1
20°	16412.0
22.5°	16098.0
25°	15682.1
27.5°	15128.6
30°	14266.1
32.5°	12958.2
35°	11333.2
37.5°	9587.9
40°	7884.4
42.5°	6412.3
45°	5167.6
47.5°	4057.4
50°	3127.7
52.5°	2423.2
55°	2327.4
57.5°	2291.7
60°	2145.9
62.5°	1822.8
65°	1417.0
67.5°	1052.1
70°	786.0
72.5°	611.7
75°	481.2
77.5°	365.0
80°	284.4
82.5°	238.5
85°	226.3
87.5°	243.6
90°	287.5
92.5°	352.7
95°	423.1
97.5°	477.1
100°	488.3
102.5°	457.7
105°	406.8
107.5°	350.7
110°	292.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	237.5
115°	190.6
117.5°	151.9
120°	124.4
122.5°	105.0
125°	92.8
127.5°	85.6
130°	82.6
132.5°	82.6
135°	82.6
137.5°	82.6
140°	81.6
142.5°	79.5
145°	78.5
147.5°	77.5
150°	76.5
152.5°	74.4
155°	73.4
157.5°	70.3
160°	67.3
162.5°	63.2
165°	59.1
167.5°	55.0
170°	52.0
172.5°	48.9
175°	46.9
177.5°	44.9
180°	45.9

(END OF REPORT)