

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: P1505162

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505162
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-106)
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 (3000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

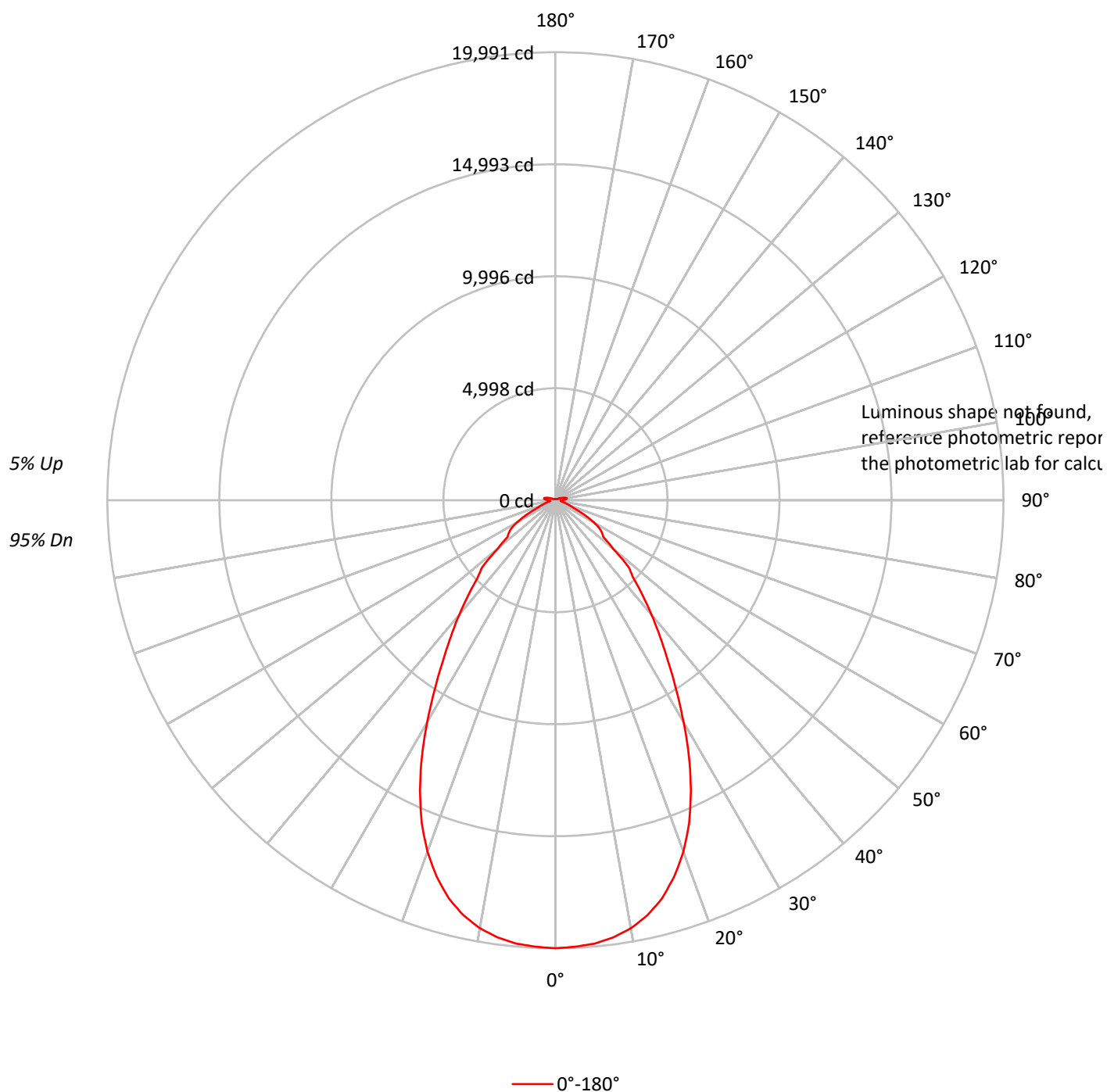
Lumens per Lamp: N/A
Luminaire Lumens: 28469.6 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 199.4
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	108	108	108	103	103	103	98	98	98	95		
1	110	107	104	101	107	104	101	99	99	97	95	95	93	91	90	89	87	85		
2	103	97	91	87	100	95	90	86	90	86	83	87	83	81	83	80	78	76		
3	96	88	82	76	93	86	80	76	83	78	74	79	75	72	76	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	61		
5	84	74	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	56		
6	79	68	60	55	77	67	60	55	64	58	54	63	57	53	61	56	52	51		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	51	46	56	50	45	54	49	45	53	48	44	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1880.8	6.6
10°-20°	5134.8	18.0
20°-30°	6507.2	22.9
30°-40°	5510.9	19.4
40°-50°	3864.0	13.6
50°-60°	2286.3	8.0
60°-70°	1203.3	4.2
70°-80°	451.8	1.6
80°-90°	274.3	1.0
90°-100°	484.0	1.7
100°-110°	442.9	1.6
110°-120°	195.3	0.7
120°-130°	81.4	0.3
130°-140°	56.9	0.2
140°-150°	44.4	0.2
150°-160°	30.7	0.1
160°-170°	16.0	0.1
170°-180°	4.6	0.0
0°-30°	13522.8	47.5
0°-40°	19033.8	66.9
0°-60°	25184.1	88.5
0°-90°	27113.5	95.2
90°-120°	1122.1	3.9
90°-150°	1304.9	4.6
90°-180°	1356.0	4.8
0°-180°	28469.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19991	
5°	19864	###
15°	18386	5135
25°	14304	6507
35°	8742	5511
45°	4914	3864
55°	2547	2286
65°	1159	1203
75°	419	452
85°	230	195
90°	315	175
95°	461	388
105°	423	443
115°	188	195
125°	86	81
135°	74	57
145°	70	44
155°	66	31
165°	56	16
175°	47	5
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19991.1
2.5°	19938.4
5°	19864.0
7.5°	19675.3
10°	19393.3
12.5°	18970.4
15°	18386.5
17.5°	17611.1
20°	16687.7
22.5°	15585.6
25°	14303.7
27.5°	12904.7
30°	11432.3
32.5°	10020.3
35°	8742.5
37.5°	7649.3
40°	6666.3
42.5°	5752.9
45°	4913.9
47.5°	4442.2
50°	3362.0
52.5°	2690.8
55°	2546.8
57.5°	2320.4
60°	1994.7
62.5°	1564.8
65°	1158.7
67.5°	842.0
70°	643.4
72.5°	519.3
75°	419.0
77.5°	324.7
80°	258.2
82.5°	227.4
85°	230.4
87.5°	261.1
90°	314.7
92.5°	388.2
95°	460.7
97.5°	510.4
100°	517.3
102.5°	479.6
105°	423.0
107.5°	361.4
110°	296.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	238.3
115°	187.7
117.5°	147.9
120°	120.1
122.5°	99.3
125°	86.4
127.5°	78.4
130°	74.5
132.5°	73.5
135°	73.5
137.5°	73.5
140°	72.5
142.5°	71.5
145°	70.5
147.5°	69.5
150°	69.5
152.5°	67.5
155°	66.5
157.5°	64.5
160°	62.6
162.5°	58.6
165°	55.6
167.5°	52.6
170°	49.6
172.5°	48.7
175°	46.7
177.5°	46.7
180°	46.7

(END OF REPORT)