

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: P1505350

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505350
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-95)
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-B-04-CLER-PS (3500K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

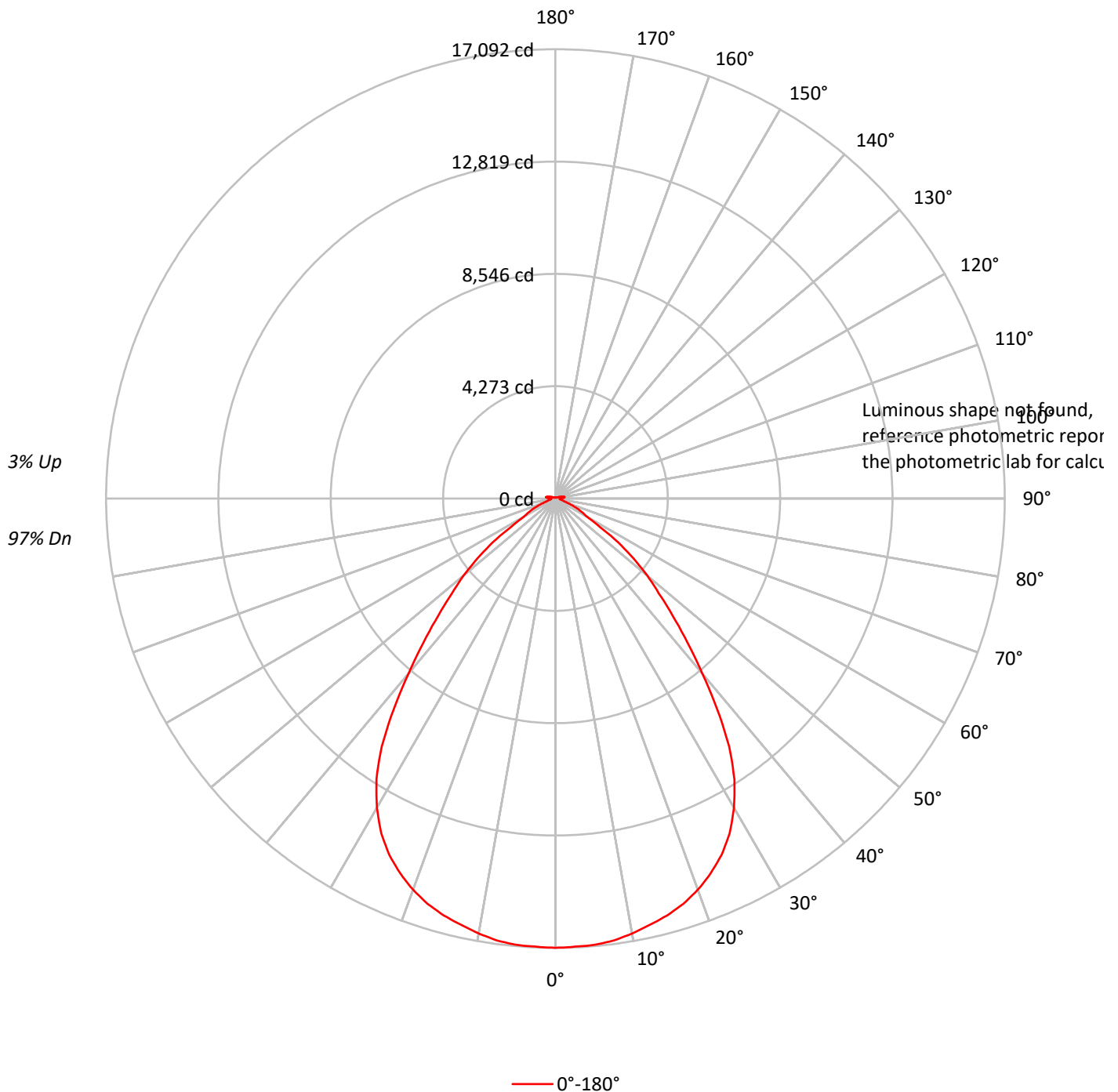
Lumens per Lamp: N/A
Luminaire Lumens: 30051.6 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 196.4
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	109	109	109	104	104	104	99	99	99	97		
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	86	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	73	68	88	79	72	67	76	70	66	74	69	65	71	67	64	62		
5	84	73	66	60	82	72	65	60	70	64	59	68	62	58	66	61	57	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	45	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38		
10	61	49	42	38	60	49	42	37	47	41	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°	1619.3	5.4
10°-20°	4629.2	15.4
20°-30°	6849.1	22.8
30°-40°	7075.4	23.5
40°-50°	4926.8	16.4
50°-60°	2575.9	8.6
60°-70°	930.3	3.1
70°-80°	318.7	1.1
80°-90°	192.3	0.6
90°-100°	337.4	1.1
100°-110°	306.6	1.0
110°-120°	133.4	0.4
120°-130°	52.9	0.2
130°-140°	36.9	0.1
140°-150°	30.0	0.1
150°-160°	21.4	0.1
160°-170°	12.1	0.0
170°-180°	3.9	0.0
0°-30°	13097.6	43.6
0°-40°	20173.0	67.1
0°-60°	27675.7	92.1
0°-90°	29117.1	96.9
90°-120°	777.4	2.6
90°-150°	897.1	3.0
90°-180°	935.0	3.1
0°-180°	30051.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17092	
5°	17047	###
15°	16416	4629
25°	14953	6849
35°	11523	7075
45°	6296	4927
55°	2913	2576
65°	949	930
75°	277	319
85°	161	138
90°	215	121
95°	325	271
105°	294	307
115°	128	133
125°	56	53
135°	47	37
145°	48	30
155°	46	21
165°	42	12
175°	41	4
180°	42	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17092
2.5°	17065
5°	17047
7.5°	16960
10°	16801
12.5°	16611
15°	16416
17.5°	16167
20°	15837
22.5°	15435
25°	14953
27.5°	14350
30°	13583
32.5°	12670
35°	11523
37.5°	10106
40°	8699
42.5°	7421
45°	6296
47.5°	5333
50°	4549
52.5°	3734
55°	2913
57.5°	2000
60°	1378
62.5°	1177
65°	949
67.5°	706
70°	502
72.5°	362
75°	277
77.5°	226
80°	187
82.5°	164
85°	161
87.5°	179
90°	215
92.5°	271
95°	325
97.5°	356
100°	356
102.5°	331
105°	294
107.5°	251
110°	206

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	164
115°	128
117.5°	100
120°	79
122.5°	65
125°	56
127.5°	50
130°	48
132.5°	47
135°	47
137.5°	48
140°	49
142.5°	48
145°	48
147.5°	47
150°	47
152.5°	47
155°	46
157.5°	46
160°	45
162.5°	44
165°	42
167.5°	41
170°	40
172.5°	40
175°	41
177.5°	41
180°	42

(END OF REPORT)