

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: P1505530

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505530
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-119)
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-06-CLER-PS (3500K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

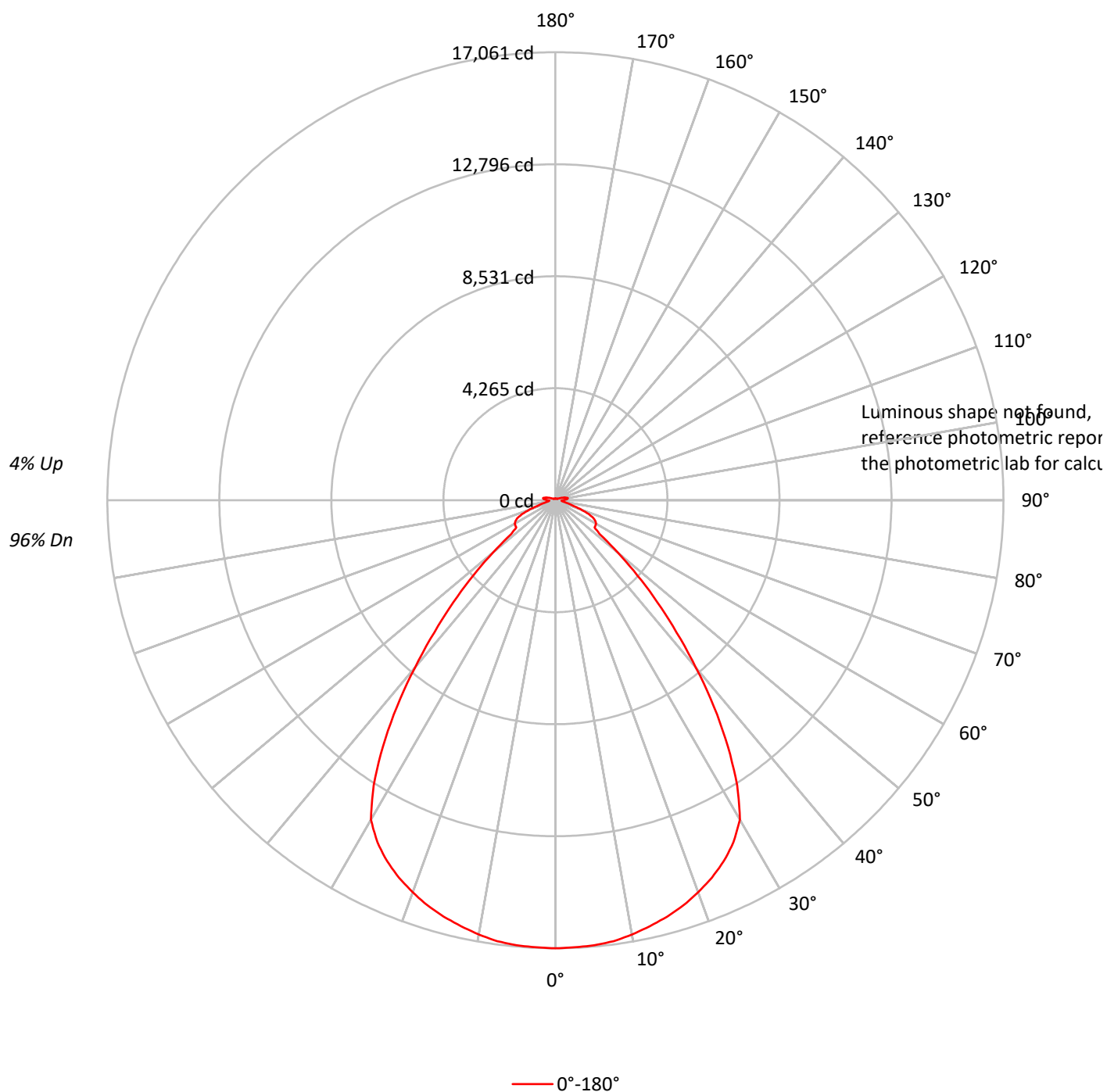
Lumens per Lamp: N/A
Luminaire Lumens: 30054.5 lumens
Efficiency: N/A
Efficacy: 153.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 195.9
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	103	103	103	98	98	98	96		
1	110	107	103	100	107	104	101	98	99	97	94	95	93	91	90	89	87	85		
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	87	81	76	93	85	80	75	82	77	73	79	75	71	76	73	70	67		
4	89	79	72	67	87	78	71	66	75	69	65	72	68	64	70	66	62	60		
5	83	73	65	60	81	71	64	59	69	63	58	67	61	57	64	60	56	55		
6	78	67	59	54	76	66	59	53	63	57	53	62	56	52	60	55	51	49		
7	73	61	54	49	71	60	53	49	59	52	48	57	51	47	55	51	47	45		
8	68	57	50	45	67	56	49	44	54	48	44	53	47	43	52	47	43	41		
9	64	53	46	41	63	52	45	41	51	45	40	49	44	40	48	43	39	38		
10	61	49	42	38	59	48	42	37	47	41	37	46	41	37	45	40	36	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°	1617.2	5.4
10°-20°	4633.0	15.4
20°-30°	6962.6	23.2
30°-40°	7066.0	23.5
40°-50°	4252.0	14.1
50°-60°	1828.2	6.1
60°-70°	1501.8	5.0
70°-80°	616.9	2.1
80°-90°	279.3	0.9
90°-100°	447.6	1.5
100°-110°	407.0	1.4
110°-120°	189.2	0.6
120°-130°	84.1	0.3
130°-140°	63.4	0.2
140°-150°	48.7	0.2
150°-160°	33.1	0.1
160°-170°	18.7	0.1
170°-180°	5.6	0.0
0°-30°	13212.7	44.0
0°-40°	20278.7	67.5
0°-60°	26358.9	87.7
0°-90°	28757.0	95.7
90°-120°	1043.9	3.5
90°-150°	1240.1	4.1
90°-180°	1298.0	4.3
0°-180°	30054.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17061	
5°	17012	###
15°	16419	4633
25°	15167	6963
35°	11457	7066
45°	5483	4252
55°	1818	1828
65°	1590	1502
75°	532	617
85°	233	206
90°	287	161
95°	429	359
105°	387	407
115°	183	189
125°	89	84
135°	82	63
145°	77	49
155°	71	33
165°	66	19
175°	59	6
180°	60	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17061
2.5°	17041
5°	17012
7.5°	16937
10°	16795
12.5°	16612
15°	16419
17.5°	16185
20°	15886
22.5°	15560
25°	15167
27.5°	14685
30°	14050
32.5°	12881
35°	11457
37.5°	9918
40°	8326
42.5°	6819
45°	5483
47.5°	4238
50°	3086
52.5°	2132
55°	1818
57.5°	1807
60°	1783
62.5°	1713
65°	1590
67.5°	1354
70°	1044
72.5°	747
75°	532
77.5°	392
80°	301
82.5°	250
85°	233
87.5°	247
90°	287
92.5°	357
95°	429
97.5°	474
100°	477
102.5°	439
105°	387
107.5°	332
110°	279

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	229
115°	183
117.5°	147
120°	120
122.5°	101
125°	89
127.5°	83
130°	81
132.5°	81
135°	82
137.5°	83
140°	82
142.5°	80
145°	77
147.5°	75
150°	73
152.5°	72
155°	71
157.5°	71
160°	70
162.5°	68
165°	66
167.5°	63
170°	60
172.5°	58
175°	59
177.5°	60
180°	60

(END OF REPORT)