

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: P1505202

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (6500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505202
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-108)
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_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

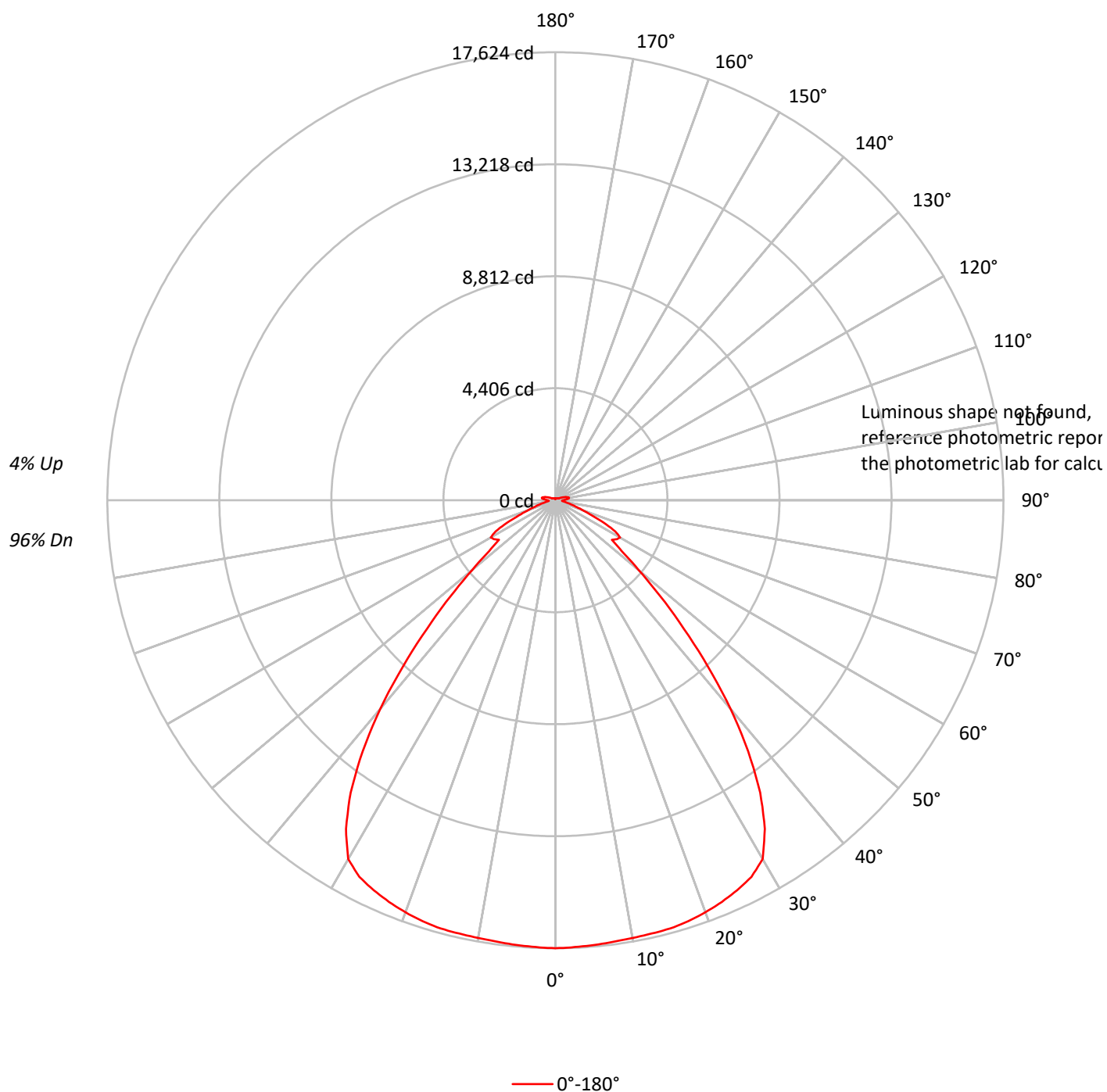
Lumens per Lamp: N/A
Luminaire Lumens: 35992.5 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.22
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 239.6
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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	98	98			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	87	87	87	87	85			
2	102	96	90	86	99	93	88	84	89	85	82	86	82	79	82	79	77	77	77	77	77	75			
3	95	86	80	74	92	84	78	73	81	76	72	78	74	70	75	71	68	68	68	68	68	66			
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	69	64	61	61	61	61	61	59			
5	82	71	63	58	80	70	63	57	67	61	56	65	60	55	63	58	55	55	55	55	55	53			
6	76	65	57	52	74	64	57	51	62	55	51	60	54	50	58	53	49	49	49	49	49	47			
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	45	45	45	45	43			
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	41	41	41	41	39			
9	63	51	44	39	61	50	43	38	49	42	38	47	42	38	46	41	37	37	37	37	37	36			
10	59	47	40	35	58	47	40	35	45	39	35	44	39	35	43	38	34	34	34	34	34	33			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1673.8	4.7
10°-20°	4932.1	13.7
20°-30°	7798.9	21.7
30°-40°	8621.4	24.0
40°-50°	5564.9	15.5
50°-60°	2782.8	7.7
60°-70°	2055.8	5.7
70°-80°	717.1	2.0
80°-90°	314.7	0.9
90°-100°	484.8	1.3
100°-110°	489.0	1.4
110°-120°	237.3	0.7
120°-130°	108.9	0.3
130°-140°	80.6	0.2
140°-150°	61.9	0.2
150°-160°	41.8	0.1
160°-170°	21.1	0.1
170°-180°	5.5	0.0
0°-30°	14404.9	40.0
0°-40°	23026.3	64.0
0°-60°	31373.9	87.2
0°-90°	34461.5	95.7
90°-120°	1211.1	3.4
90°-150°	1462.5	4.1
90°-180°	1531.0	4.3
0°-180°	35992.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17624	
5°	17562	###
15°	17441	4932
25°	16925	7799
35°	14040	8621
45°	7137	5565
55°	2710	2783
65°	2102	2056
75°	649	717
85°	260	236
90°	307	172
95°	455	391
105°	470	489
115°	230	237
125°	116	109
135°	104	81
145°	98	62
155°	90	42
165°	74	21
175°	55	6
180°	53	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17624.1
2.5°	17594.8
5°	17562.0
7.5°	17519.8
10°	17484.7
12.5°	17461.2
15°	17441.3
17.5°	17369.8
20°	17251.5
22.5°	17100.4
25°	16924.6
27.5°	16702.0
30°	16296.6
32.5°	15330.0
35°	14040.0
37.5°	12452.4
40°	10728.9
42.5°	8878.8
45°	7136.6
47.5°	5583.0
50°	4270.7
52.5°	3283.0
55°	2710.0
57.5°	2856.5
60°	2933.8
62.5°	2660.8
65°	2102.0
67.5°	1544.2
70°	1121.3
72.5°	843.6
75°	649.1
77.5°	486.2
80°	365.6
82.5°	290.6
85°	260.1
87.5°	267.1
90°	307.0
92.5°	377.3
95°	454.6
97.5°	521.4
100°	543.6
102.5°	519.0
105°	469.8
107.5°	411.3
110°	348.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	285.9
115°	229.6
117.5°	185.1
120°	153.5
122.5°	131.2
125°	116.0
127.5°	107.8
130°	104.3
132.5°	104.3
135°	104.3
137.5°	104.3
140°	101.9
142.5°	99.6
145°	98.4
147.5°	97.2
150°	94.9
152.5°	92.6
155°	90.2
157.5°	87.9
160°	83.2
162.5°	78.5
165°	73.8
167.5°	68.0
170°	63.3
172.5°	58.6
175°	55.1
177.5°	52.7
180°	52.7

(END OF REPORT)