

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: P1505173

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505173
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 (3500K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

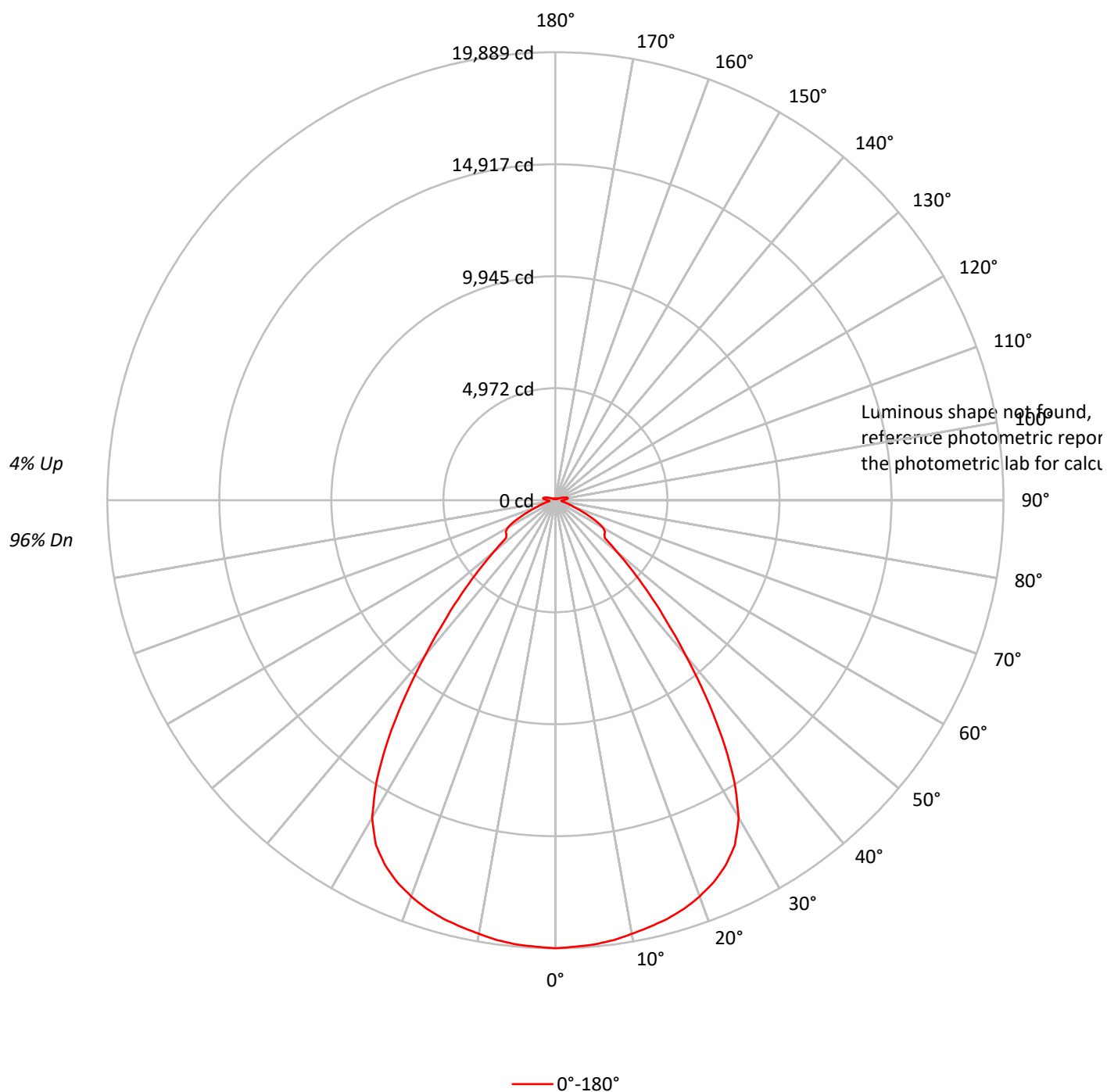
Lumens per Lamp: N/A
Luminaire Lumens: 34569.0 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.12
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 235.4
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	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°	1881.7	5.4
10°-20°	5428.9	15.7
20°-30°	8181.7	23.7
30°-40°	7959.4	23.0
40°-50°	4610.6	13.3
50°-60°	2468.6	7.1
60°-70°	1618.9	4.7
70°-80°	598.9	1.7
80°-90°	309.3	0.9
90°-100°	510.0	1.5
100°-110°	485.1	1.4
110°-120°	224.3	0.6
120°-130°	99.3	0.3
130°-140°	72.8	0.2
140°-150°	56.4	0.2
150°-160°	38.4	0.1
160°-170°	19.4	0.1
170°-180°	5.3	0.0
0°-30°	15492.2	44.8
0°-40°	23451.6	67.8
0°-60°	30530.8	88.3
0°-90°	33057.9	95.6
90°-120°	1219.4	3.5
90°-150°	1448.0	4.2
90°-180°	1511.0	4.4
0°-180°	34569.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19889	
5°	19796	###
15°	19233	5429
25°	17882	8182
35°	12923	7959
45°	5892	4611
55°	2654	2469
65°	1616	1619
75°	549	599
85°	258	226
90°	328	183
95°	482	410
105°	464	485
115°	217	224
125°	106	99
135°	94	73
145°	90	56
155°	84	38
165°	67	19
175°	54	5
180°	52	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19889.4
2.5°	19838.3
5°	19796.4
7.5°	19697.6
10°	19545.3
12.5°	19391.9
15°	19232.6
17.5°	19015.3
20°	18714.2
22.5°	18356.2
25°	17881.9
27.5°	17250.7
30°	16267.2
32.5°	14775.8
35°	12922.9
37.5°	10932.8
40°	8990.3
42.5°	7311.8
45°	5892.4
47.5°	4626.5
50°	3566.4
52.5°	2763.1
55°	2653.9
57.5°	2613.2
60°	2446.9
62.5°	2078.5
65°	1615.8
67.5°	1199.6
70°	896.2
72.5°	697.5
75°	548.7
77.5°	416.2
80°	324.3
82.5°	272.0
85°	258.1
87.5°	277.8
90°	327.8
92.5°	402.2
95°	482.4
97.5°	544.0
100°	556.8
102.5°	521.9
105°	463.8
107.5°	399.9
110°	333.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	270.8
115°	217.4
117.5°	173.2
120°	141.8
122.5°	119.7
125°	105.8
127.5°	97.6
130°	94.2
132.5°	94.2
135°	94.2
137.5°	94.2
140°	93.0
142.5°	90.7
145°	89.5
147.5°	88.3
150°	87.2
152.5°	84.9
155°	83.7
157.5°	80.2
160°	76.7
162.5°	72.1
165°	67.4
167.5°	62.8
170°	59.3
172.5°	55.8
175°	53.5
177.5°	51.1
180°	52.3

(END OF REPORT)