

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: P1505020

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (6500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505020
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-83)
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-04-CLER-PS (6500K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

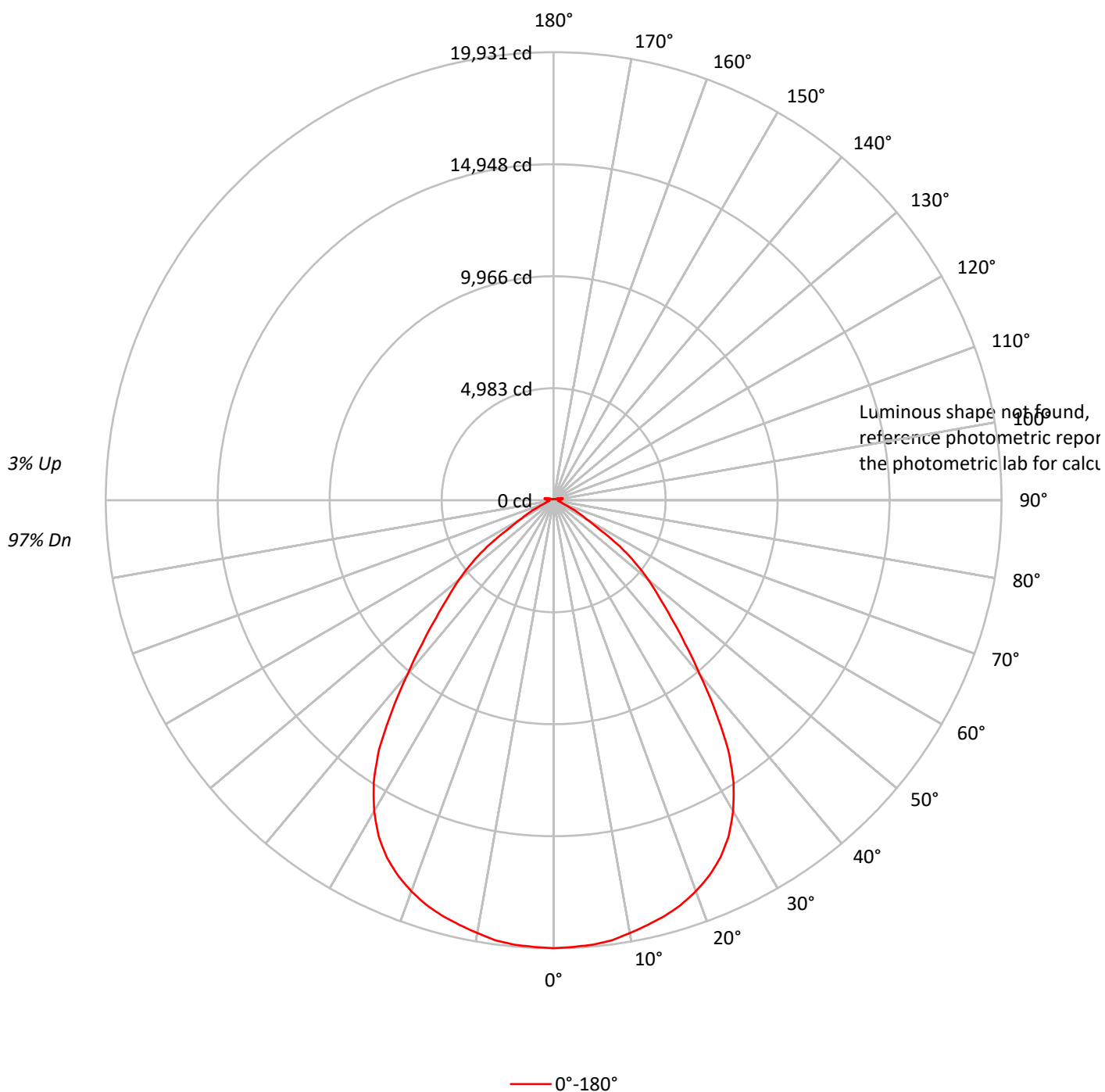
Lumens per Lamp: N/A
Luminaire Lumens: 35233.4 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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



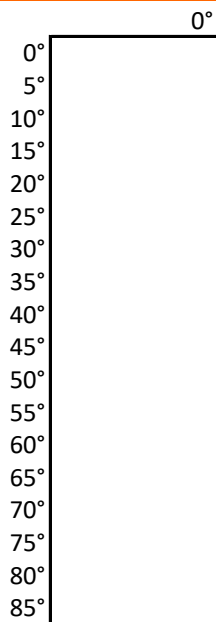
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
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	104	97	92	88	101	95	90	87	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	78	74	71	69			
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62			
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	58	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	44	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	59	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°	1885.7	5.4
10°-20°	5398.9	15.3
20°-30°	8035.4	22.8
30°-40°	8299.9	23.6
40°-50°	5800.0	16.5
50°-60°	3168.8	9.0
60°-70°	973.8	2.8
70°-80°	343.2	1.0
80°-90°	219.1	0.6
90°-100°	372.5	1.1
100°-110°	373.6	1.1
110°-120°	169.3	0.5
120°-130°	66.3	0.2
130°-140°	44.9	0.1
140°-150°	37.7	0.1
150°-160°	26.6	0.1
160°-170°	13.8	0.0
170°-180°	4.0	0.0
0°-30°	15320.0	43.5
0°-40°	23619.9	67.0
0°-60°	32588.7	92.5
0°-90°	34124.7	96.9
90°-120°	915.5	2.6
90°-150°	1064.4	3.0
90°-180°	1109.0	3.1
0°-180°	35233.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19931	
5°	19849	###
15°	19137	5399
25°	17548	8035
35°	13542	8300
45°	7390	5800
55°	3618	3169
65°	936	974
75°	320	343
85°	183	160
90°	234	131
95°	352	300
105°	362	374
115°	164	169
125°	70	66
135°	57	45
145°	60	38
155°	57	27
165°	48	14
175°	41	4
180°	41	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19931.1
2.5°	19888.9
5°	19849.1
7.5°	19750.6
10°	19552.6
12.5°	19349.9
15°	19136.7
17.5°	18868.4
20°	18514.5
22.5°	18079.9
25°	17547.9
27.5°	16859.0
30°	15977.9
32.5°	14901.2
35°	13542.0
37.5°	11818.5
40°	10126.6
42.5°	8663.2
45°	7389.7
47.5°	6343.4
50°	5500.9
52.5°	4584.7
55°	3618.1
57.5°	2478.1
60°	1696.6
62.5°	1321.6
65°	936.2
67.5°	625.7
70°	451.1
72.5°	369.1
75°	319.9
77.5°	273.0
80°	226.1
82.5°	192.2
85°	182.8
87.5°	198.0
90°	234.3
92.5°	292.9
95°	351.5
97.5°	397.2
100°	415.9
102.5°	399.5
105°	362.0
107.5°	311.7
110°	257.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	207.4
115°	164.0
117.5°	127.7
120°	100.8
122.5°	82.0
125°	70.3
127.5°	62.1
130°	58.6
132.5°	57.4
135°	57.4
137.5°	58.6
140°	58.6
142.5°	59.8
145°	59.8
147.5°	60.9
150°	60.9
152.5°	59.8
155°	57.4
157.5°	55.1
160°	52.7
162.5°	50.4
165°	48.0
167.5°	45.7
170°	43.4
172.5°	42.2
175°	41.0
177.5°	41.0
180°	41.0

(END OF REPORT)