

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: P1505193

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (5000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505193
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 (5000K_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

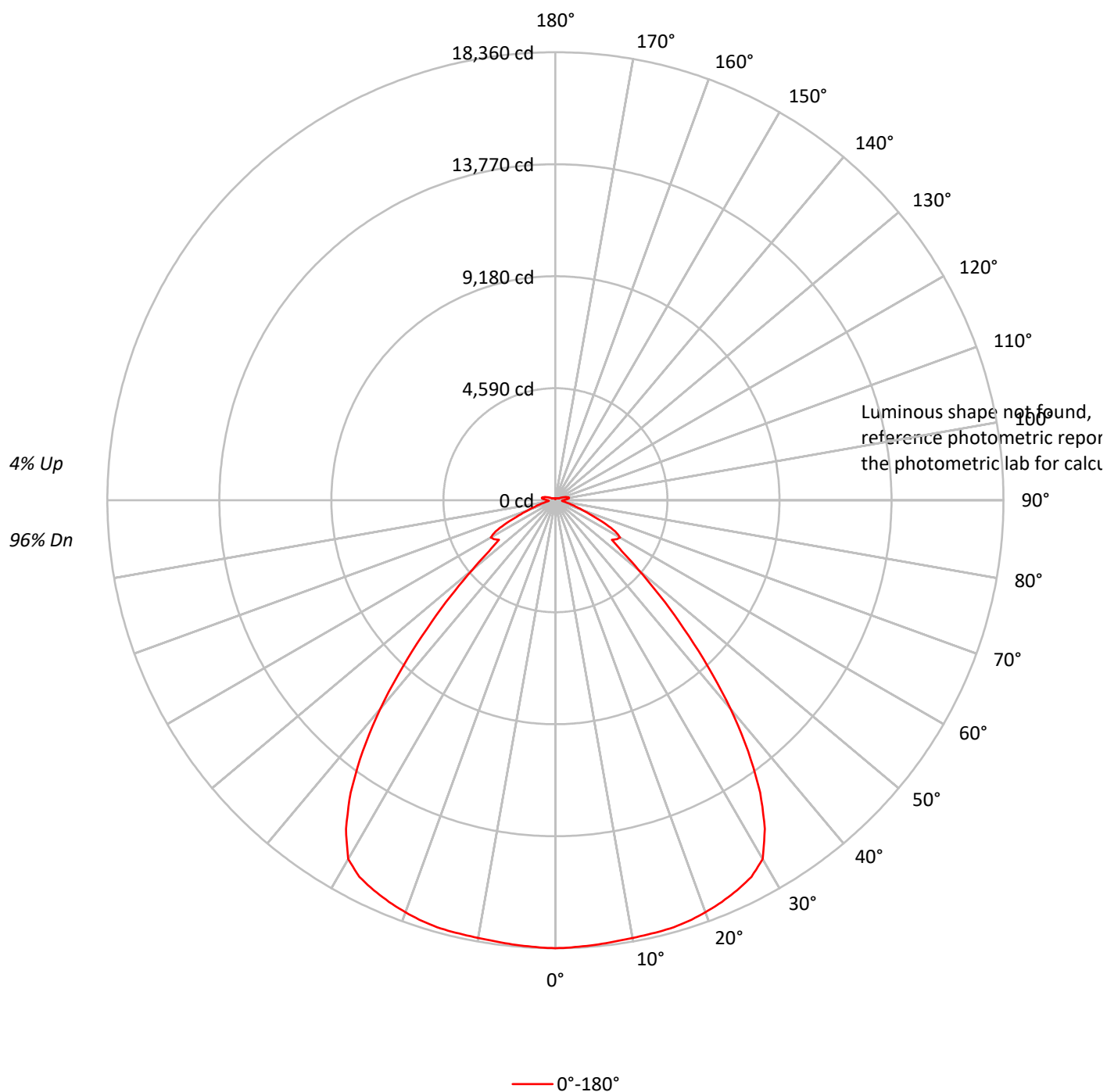
Lumens per Lamp: N/A
Luminaire Lumens: 37496.1 lumens
Efficiency: N/A
Efficacy: 160.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.22
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 233.3
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





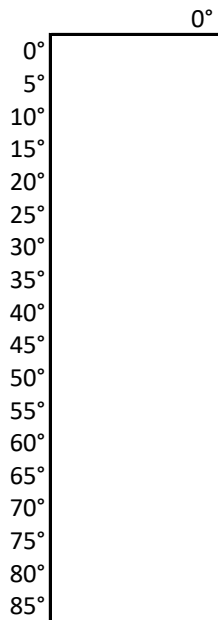
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (5000K_L36_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1743.8	4.7
10°-20°	5138.2	13.7
20°-30°	8124.7	21.7
30°-40°	8981.6	24.0
40°-50°	5797.4	15.5
50°-60°	2899.1	7.7
60°-70°	2141.7	5.7
70°-80°	747.1	2.0
80°-90°	327.9	0.9
90°-100°	505.1	1.3
100°-110°	509.4	1.4
110°-120°	247.2	0.7
120°-130°	113.5	0.3
130°-140°	83.9	0.2
140°-150°	64.5	0.2
150°-160°	43.5	0.1
160°-170°	22.0	0.1
170°-180°	5.7	0.0
0°-30°	15006.7	40.0
0°-40°	23988.2	64.0
0°-60°	32684.7	87.2
0°-90°	35901.3	95.7
90°-120°	1261.7	3.4
90°-150°	1523.6	4.1
90°-180°	1595.0	4.3
0°-180°	37496.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18360	
5°	18296	###
15°	18170	5138
25°	17632	8125
35°	14627	8982
45°	7435	5797
55°	2823	2899
65°	2190	2142
75°	676	747
85°	271	246
90°	320	180
95°	474	407
105°	490	509
115°	239	247
125°	121	113
135°	109	84
145°	102	64
155°	94	44
165°	77	22
175°	57	6
180°	55	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18360.4
2.5°	18329.9
5°	18295.7
7.5°	18251.8
10°	18215.1
12.5°	18190.7
15°	18170.0
17.5°	18095.5
20°	17972.2
22.5°	17814.8
25°	17631.7
27.5°	17399.8
30°	16977.4
32.5°	15970.4
35°	14626.6
37.5°	12972.6
40°	11177.1
42.5°	9249.8
45°	7434.7
47.5°	5816.2
50°	4449.1
52.5°	3420.1
55°	2823.3
57.5°	2975.8
60°	3056.4
62.5°	2772.0
65°	2189.8
67.5°	1608.8
70°	1168.1
72.5°	878.8
75°	676.2
77.5°	506.6
80°	380.8
82.5°	302.7
85°	271.0
87.5°	278.3
90°	319.8
92.5°	393.0
95°	473.6
97.5°	543.2
100°	566.4
102.5°	540.7
105°	489.5
107.5°	428.4
110°	362.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	297.8
115°	239.2
117.5°	192.9
120°	159.9
122.5°	136.7
125°	120.8
127.5°	112.3
130°	108.6
132.5°	108.6
135°	108.6
137.5°	108.6
140°	106.2
142.5°	103.8
145°	102.5
147.5°	101.3
150°	98.9
152.5°	96.4
155°	94.0
157.5°	91.5
160°	86.7
162.5°	81.8
165°	76.9
167.5°	70.8
170°	65.9
172.5°	61.0
175°	57.4
177.5°	54.9
180°	54.9

(END OF REPORT)