

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: P1505163

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505163
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 (3000K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

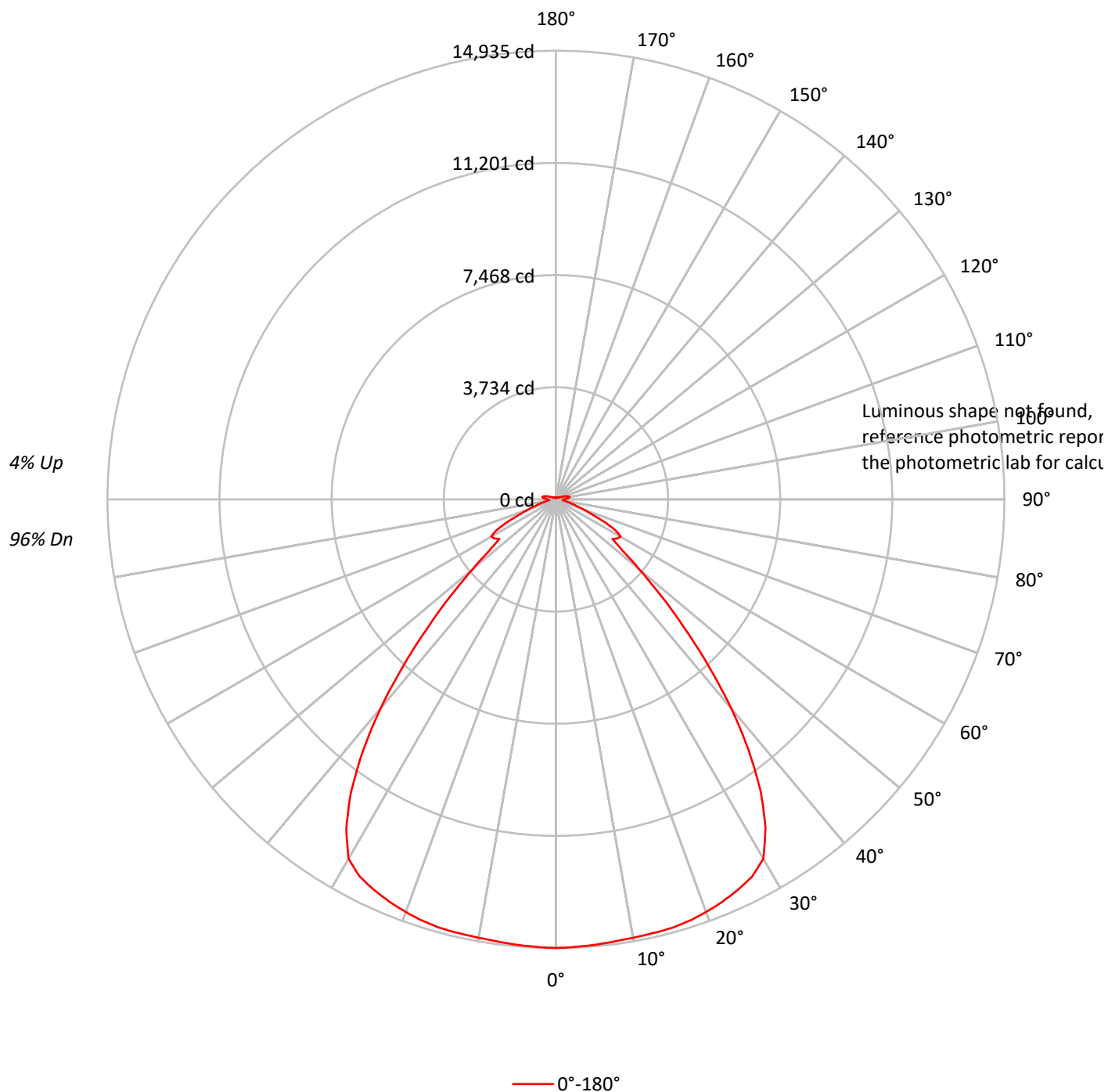
Lumens per Lamp: N/A
Luminaire Lumens: 30501.2 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.22
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 199.4
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				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	103	103	103	98	98	98	96			
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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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1418.5	4.7
10°-20°	4179.6	13.7
20°-30°	6609.0	21.7
30°-40°	7306.0	24.0
40°-50°	4715.9	15.5
50°-60°	2358.3	7.7
60°-70°	1742.1	5.7
70°-80°	607.7	2.0
80°-90°	266.7	0.9
90°-100°	410.8	1.3
100°-110°	414.4	1.4
110°-120°	201.1	0.7
120°-130°	92.3	0.3
130°-140°	68.3	0.2
140°-150°	52.5	0.2
150°-160°	35.4	0.1
160°-170°	17.9	0.1
170°-180°	4.7	0.0
0°-30°	12207.1	40.0
0°-40°	19513.1	64.0
0°-60°	26587.3	87.2
0°-90°	29203.8	95.7
90°-120°	1026.4	3.4
90°-150°	1239.4	4.1
90°-180°	1297.0	4.3
0°-180°	30501.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14935	
5°	14883	###
15°	14780	4180
25°	14342	6609
35°	11898	7306
45°	6048	4716
55°	2297	2358
65°	1781	1742
75°	550	608
85°	220	200
90°	260	146
95°	385	331
105°	398	414
115°	195	201
125°	98	92
135°	88	68
145°	83	52
155°	76	35
165°	63	18
175°	47	5
180°	45	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14935.2
2.5°	14910.4
5°	14882.6
7.5°	14846.8
10°	14817.0
12.5°	14797.2
15°	14780.3
17.5°	14719.7
20°	14619.5
22.5°	14491.4
25°	14342.4
27.5°	14153.8
30°	13810.2
32.5°	12991.1
35°	11897.9
37.5°	10552.5
40°	9092.0
42.5°	7524.2
45°	6047.8
47.5°	4731.2
50°	3619.1
52.5°	2782.1
55°	2296.6
57.5°	2420.7
60°	2486.2
62.5°	2254.9
65°	1781.3
67.5°	1308.6
70°	950.2
72.5°	714.9
75°	550.1
77.5°	412.1
80°	309.8
82.5°	246.2
85°	220.4
87.5°	226.4
90°	260.1
92.5°	319.7
95°	385.2
97.5°	441.8
100°	460.7
102.5°	439.9
105°	398.2
107.5°	348.5
110°	294.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	242.3
115°	194.6
117.5°	156.9
120°	130.1
122.5°	111.2
125°	98.3
127.5°	91.3
130°	88.4
132.5°	88.4
135°	88.4
137.5°	88.4
140°	86.4
142.5°	84.4
145°	83.4
147.5°	82.4
150°	80.4
152.5°	78.4
155°	76.5
157.5°	74.5
160°	70.5
162.5°	66.5
165°	62.6
167.5°	57.6
170°	53.6
172.5°	49.6
175°	46.7
177.5°	44.7
180°	44.7

(END OF REPORT)