

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: P1505190

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (5000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505190
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_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

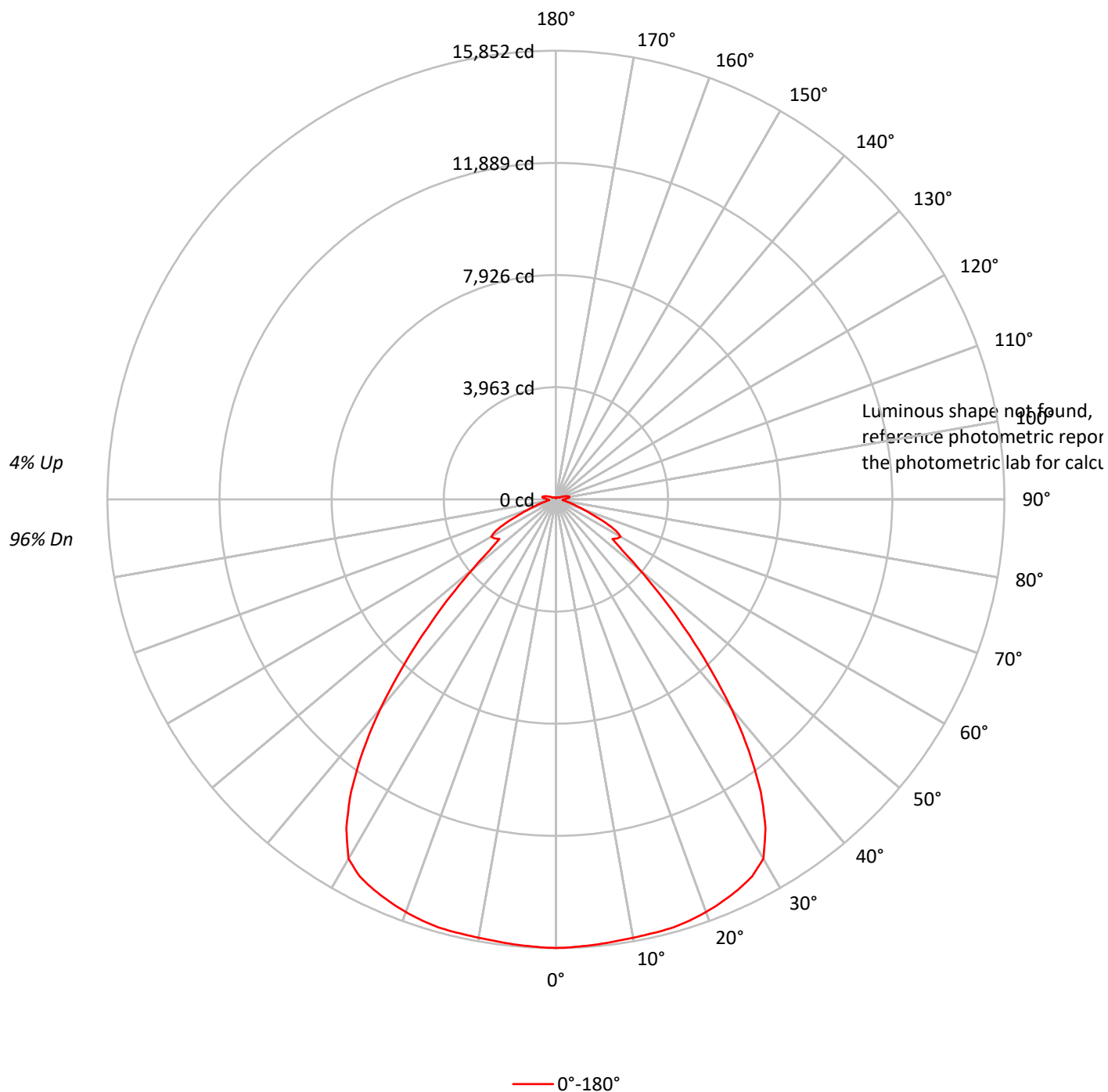
Lumens per Lamp: N/A
Luminaire Lumens: 32372.9 lumens
Efficiency: N/A
Efficacy: 165.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.22
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 195.5
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





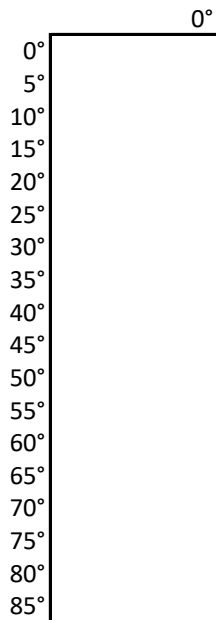
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	1505.5	4.7
10°-20°	4436.1	13.7
20°-30°	7014.6	21.7
30°-40°	7754.4	24.0
40°-50°	5005.2	15.5
50°-60°	2503.0	7.7
60°-70°	1849.0	5.7
70°-80°	645.0	2.0
80°-90°	283.1	0.9
90°-100°	436.1	1.3
100°-110°	439.8	1.4
110°-120°	213.5	0.7
120°-130°	98.0	0.3
130°-140°	72.5	0.2
140°-150°	55.7	0.2
150°-160°	37.6	0.1
160°-170°	19.0	0.1
170°-180°	5.0	0.0
0°-30°	12956.2	40.0
0°-40°	20710.6	64.0
0°-60°	28218.8	87.2
0°-90°	30995.9	95.7
90°-120°	1089.4	3.4
90°-150°	1315.5	4.1
90°-180°	1377.0	4.3
0°-180°	32372.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15852	
5°	15796	###
15°	15687	4436
25°	15223	7015
35°	12628	7754
45°	6419	5005
55°	2438	2503
65°	1891	1849
75°	584	645
85°	234	212
90°	276	155
95°	409	352
105°	423	440
115°	207	213
125°	104	98
135°	94	72
145°	88	56
155°	81	38
165°	66	19
175°	50	5
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15851.7
2.5°	15825.4
5°	15795.9
7.5°	15757.9
10°	15726.3
12.5°	15705.2
15°	15687.3
17.5°	15623.0
20°	15516.6
22.5°	15380.7
25°	15222.6
27.5°	15022.4
30°	14657.7
32.5°	13788.3
35°	12628.1
37.5°	11200.1
40°	9649.9
42.5°	7985.9
45°	6418.9
47.5°	5021.5
50°	3841.2
52.5°	2952.8
55°	2437.5
57.5°	2569.2
60°	2638.8
62.5°	2393.2
65°	1890.6
67.5°	1388.9
70°	1008.5
72.5°	758.8
75°	583.8
77.5°	437.3
80°	328.8
82.5°	261.4
85°	234.0
87.5°	240.3
90°	276.1
92.5°	339.3
95°	408.9
97.5°	469.0
100°	489.0
102.5°	466.8
105°	422.6
107.5°	369.9
110°	313.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	257.1
115°	206.6
117.5°	166.5
120°	138.1
122.5°	118.0
125°	104.3
127.5°	97.0
130°	93.8
132.5°	93.8
135°	93.8
137.5°	93.8
140°	91.7
142.5°	89.6
145°	88.5
147.5°	87.5
150°	85.4
152.5°	83.3
155°	81.1
157.5°	79.0
160°	74.8
162.5°	70.6
165°	66.4
167.5°	61.1
170°	56.9
172.5°	52.7
175°	49.5
177.5°	47.4
180°	47.4

(END OF REPORT)