

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: P1505181

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (4000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505181
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 (4000K_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

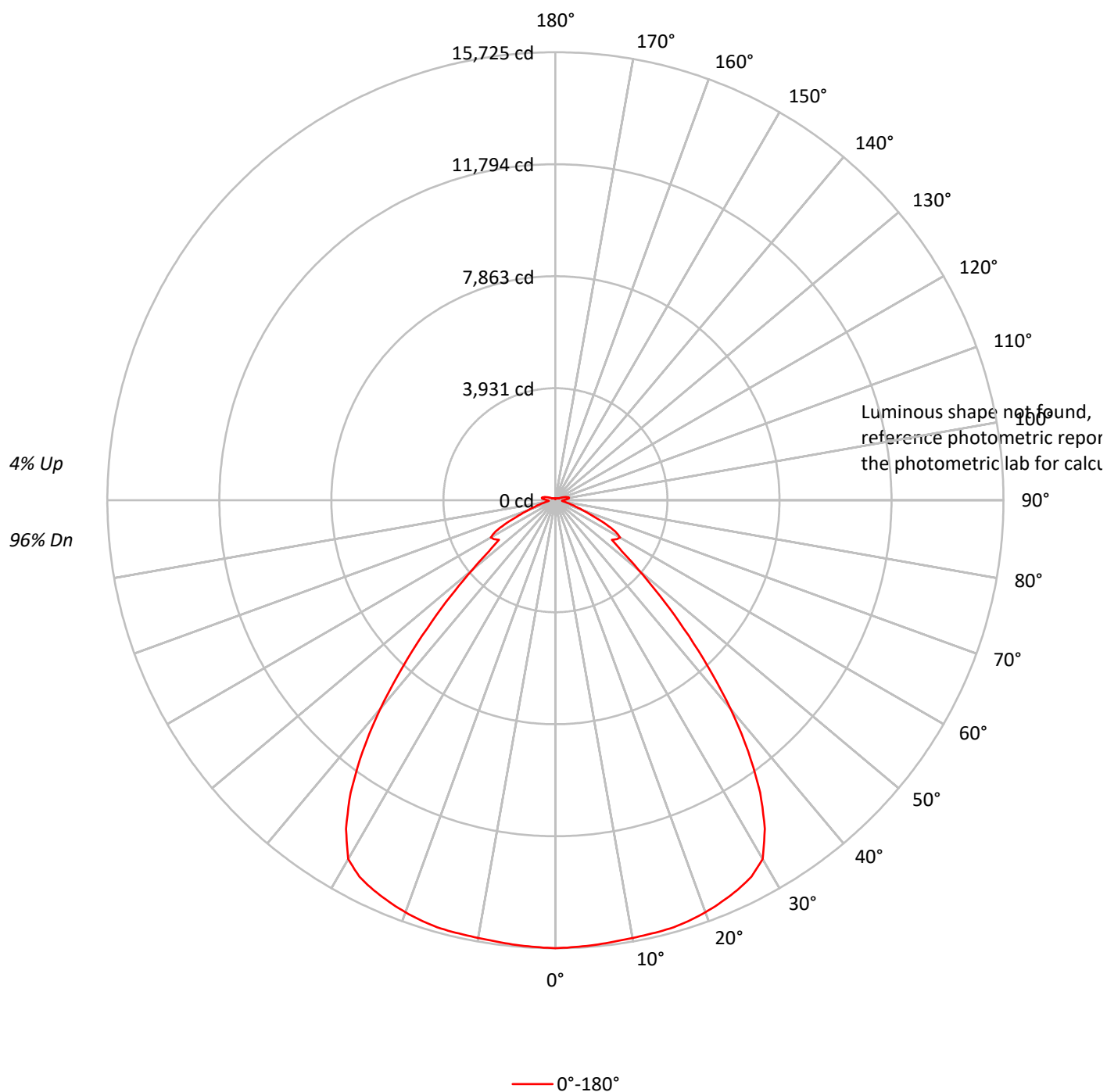
Lumens per Lamp: N/A
Luminaire Lumens: 32113.2 lumens
Efficiency: N/A
Efficacy: 165.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.22
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 194.3
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



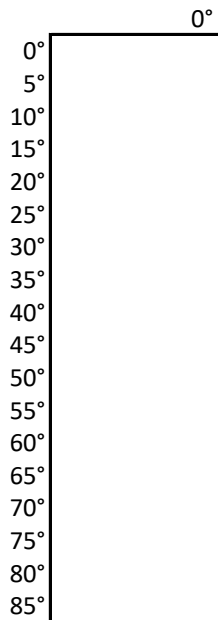
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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		
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°	1493.4	4.7
10°-20°	4400.5	13.7
20°-30°	6958.4	21.7
30°-40°	7692.2	24.0
40°-50°	4965.1	15.5
50°-60°	2482.9	7.7
60°-70°	1834.2	5.7
70°-80°	639.8	2.0
80°-90°	280.8	0.9
90°-100°	432.6	1.3
100°-110°	436.3	1.4
110°-120°	211.8	0.7
120°-130°	97.2	0.3
130°-140°	71.8	0.2
140°-150°	55.2	0.2
150°-160°	37.3	0.1
160°-170°	18.8	0.1
170°-180°	4.9	0.0
0°-30°	12852.3	40.0
0°-40°	20544.5	64.0
0°-60°	27992.5	87.2
0°-90°	30747.3	95.7
90°-120°	1080.6	3.4
90°-150°	1304.9	4.1
90°-180°	1366.0	4.3
0°-180°	32113.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15725	
5°	15669	###
15°	15562	4401
25°	15100	6958
35°	12527	7692
45°	6367	4965
55°	2418	2483
65°	1875	1834
75°	579	640
85°	232	211
90°	274	154
95°	406	349
105°	419	436
115°	205	212
125°	104	97
135°	93	72
145°	88	55
155°	80	37
165°	66	19
175°	49	5
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15724.6
2.5°	15698.5
5°	15669.2
7.5°	15631.6
10°	15600.2
12.5°	15579.3
15°	15561.5
17.5°	15497.7
20°	15392.2
22.5°	15257.3
25°	15100.5
27.5°	14901.9
30°	14540.2
32.5°	13677.7
35°	12526.8
37.5°	11110.3
40°	9572.5
42.5°	7921.9
45°	6367.4
47.5°	4981.2
50°	3810.4
52.5°	2929.2
55°	2418.0
57.5°	2548.6
60°	2617.6
62.5°	2374.1
65°	1875.4
67.5°	1377.8
70°	1000.4
72.5°	752.7
75°	579.1
77.5°	433.8
80°	326.2
82.5°	259.3
85°	232.1
87.5°	238.3
90°	273.9
92.5°	336.6
95°	405.6
97.5°	465.2
100°	485.1
102.5°	463.1
105°	419.2
107.5°	366.9
110°	310.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	255.1
115°	204.9
117.5°	165.2
120°	136.9
122.5°	117.1
125°	103.5
127.5°	96.2
130°	93.0
132.5°	93.0
135°	93.0
137.5°	93.0
140°	90.9
142.5°	88.9
145°	87.8
147.5°	86.8
150°	84.7
152.5°	82.6
155°	80.5
157.5°	78.4
160°	74.2
162.5°	70.0
165°	65.9
167.5°	60.6
170°	56.5
172.5°	52.3
175°	49.1
177.5°	47.0
180°	47.0

(END OF REPORT)