

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: P1505234

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (5000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505234
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-112)
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-TRWH-PS (5000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

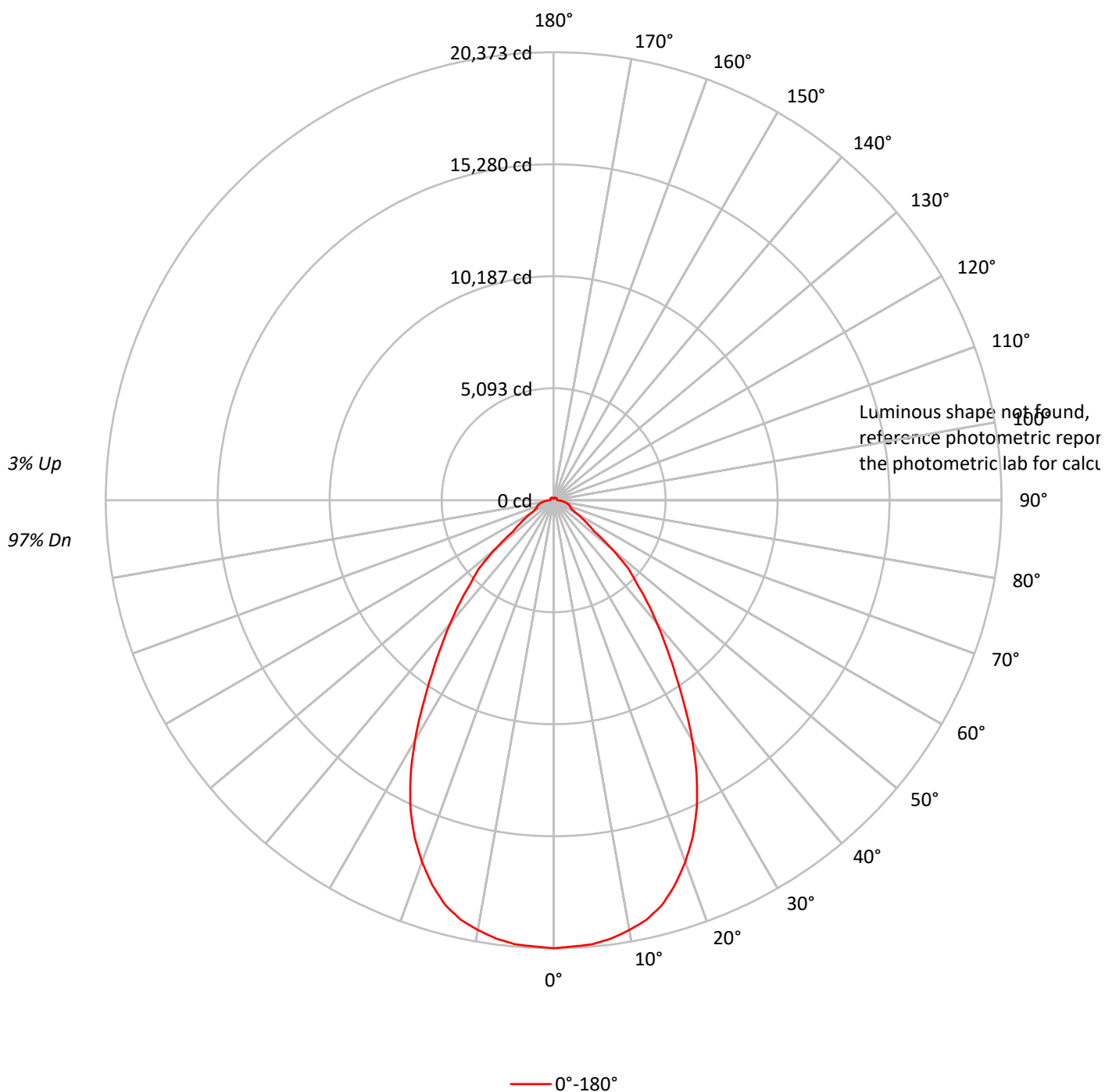
Lumens per Lamp: N/A
Luminaire Lumens: 29213.9 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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



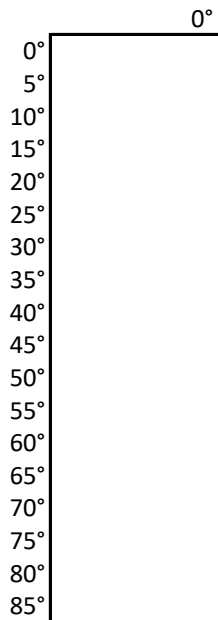
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	97	95	95	94	92	91	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	84	82	84	82	79	77		
3	97	88	82	77	94	87	81	76	84	79	75	81	76	73	78	74	71	69		
4	90	81	74	69	88	79	73	68	77	71	67	74	70	66	72	68	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	62	59	57		
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52		
7	75	63	56	51	73	63	56	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	51	47	57	51	46	55	50	46	54	49	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	46	42	51	46	42	41		
10	63	51	45	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1920.7	6.6
10°-20°	5323.9	18.2
20°-30°	7002.9	24.0
30°-40°	6078.2	20.8
40°-50°	4160.5	14.2
50°-60°	1805.5	6.2
60°-70°	910.3	3.1
70°-80°	714.0	2.4
80°-90°	374.5	1.3
90°-100°	172.5	0.6
100°-110°	169.5	0.6
110°-120°	156.8	0.5
120°-130°	135.8	0.5
130°-140°	111.5	0.4
140°-150°	87.8	0.3
150°-160°	56.9	0.2
160°-170°	26.1	0.1
170°-180°	6.7	0.0
0°-30°	14247.5	48.8
0°-40°	20325.7	69.6
0°-60°	26291.6	90.0
0°-90°	28290.4	96.8
90°-120°	498.8	1.7
90°-150°	833.8	2.9
90°-180°	924.0	3.2
0°-180°	29213.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20373	
5°	20265	###
15°	19051	5324
25°	15408	7003
35°	9656	6078
45°	5332	4160
55°	1897	1805
65°	874	910
75°	686	714
85°	345	319
90°	158	99
95°	158	129
105°	160	169
115°	158	157
125°	152	136
135°	143	111
145°	140	88
155°	122	57
165°	90	26
175°	67	7
180°	65	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20372.7
2.5°	20309.4
5°	20265.2
7.5°	20099.7
10°	19847.8
12.5°	19533.8
15°	19051.2
17.5°	18347.2
20°	17499.9
22.5°	16543.0
25°	15408.1
27.5°	14080.2
30°	12619.6
32.5°	11075.8
35°	9656.3
37.5°	8414.8
40°	7318.9
42.5°	6311.4
45°	5332.4
47.5°	4622.1
50°	3523.0
52.5°	2333.2
55°	1896.9
57.5°	1534.4
60°	1203.5
62.5°	985.3
65°	873.6
67.5°	822.0
70°	790.4
72.5°	746.1
75°	686.0
77.5°	612.3
80°	528.0
82.5°	438.4
85°	344.6
87.5°	248.7
90°	158.1
92.5°	156.0
95°	158.1
97.5°	159.1
100°	160.2
102.5°	160.2
105°	160.2
107.5°	160.2
110°	160.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	159.1
115°	158.1
117.5°	157.0
120°	154.9
122.5°	152.8
125°	151.8
127.5°	149.6
130°	147.5
132.5°	145.4
135°	143.3
137.5°	142.3
140°	141.2
142.5°	140.2
145°	140.2
147.5°	139.1
150°	137.0
152.5°	129.6
155°	122.2
157.5°	114.9
160°	106.4
162.5°	98.0
165°	89.6
167.5°	82.2
170°	76.9
172.5°	70.6
175°	67.4
177.5°	65.3
180°	65.3

(END OF REPORT)