

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: P1505161

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505161
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-107)
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_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

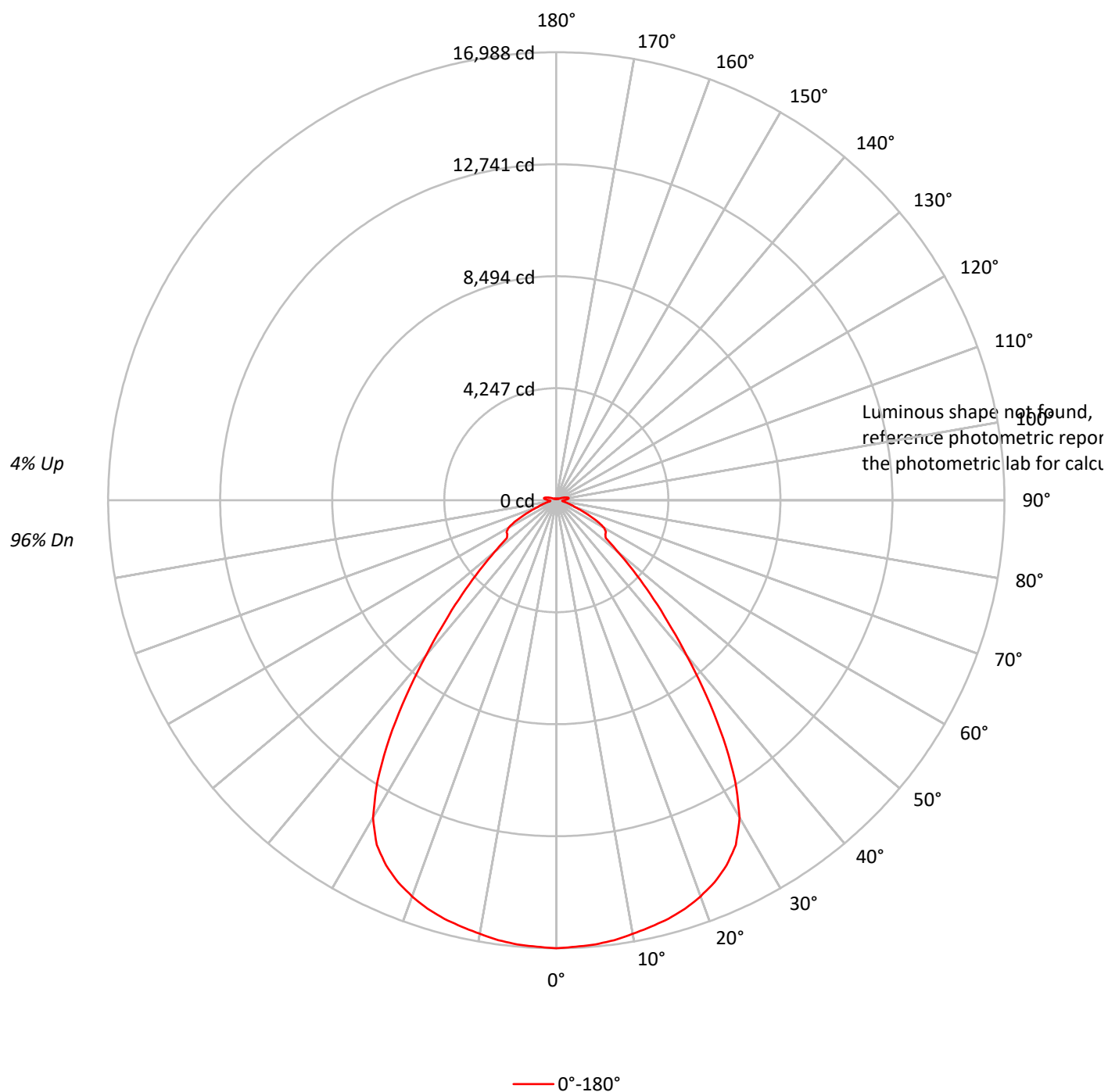
Lumens per Lamp: N/A
Luminaire Lumens: 29527.0 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.12
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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





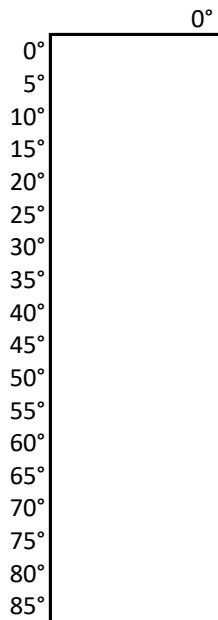
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	107	103	101	107	104	101	98	99	97	95	95	93	91	90	89	88	85			
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76			
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68			
4	89	80	73	67	87	78	72	67	75	70	65	73	68	64	70	66	63	61			
5	83	73	65	60	81	72	65	60	69	63	59	67	62	58	65	60	57	55			
6	78	67	59	54	76	66	59	54	64	58	53	62	56	52	60	55	52	50			
7	73	62	54	49	71	61	54	49	59	53	48	57	52	48	56	51	47	45			
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41			
9	65	53	46	41	63	52	46	41	51	45	40	50	44	40	48	43	40	38			
10	61	49	42	38	60	49	42	38	48	42	37	46	41	37	45	40	37	35			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1607.2	5.4
10°-20°	4637.1	15.7
20°-30°	6988.3	23.7
30°-40°	6798.5	23.0
40°-50°	3938.2	13.3
50°-60°	2108.5	7.1
60°-70°	1382.8	4.7
70°-80°	511.5	1.7
80°-90°	264.2	0.9
90°-100°	435.6	1.5
100°-110°	414.4	1.4
110°-120°	191.6	0.6
120°-130°	84.9	0.3
130°-140°	62.2	0.2
140°-150°	48.2	0.2
150°-160°	32.8	0.1
160°-170°	16.6	0.1
170°-180°	4.5	0.0
0°-30°	13232.6	44.8
0°-40°	20031.2	67.8
0°-60°	26077.8	88.3
0°-90°	28236.3	95.6
90°-120°	1041.6	3.5
90°-150°	1236.8	4.2
90°-180°	1291.0	4.4
0°-180°	29527.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16988	
5°	16909	###
15°	16428	4637
25°	15274	6988
35°	11038	6799
45°	5033	3938
55°	2267	2109
65°	1380	1383
75°	469	511
85°	220	193
90°	280	156
95°	412	350
105°	396	414
115°	186	192
125°	90	85
135°	80	62
145°	76	48
155°	72	33
165°	58	17
175°	46	5
180°	45	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16988.5
2.5°	16944.8
5°	16909.1
7.5°	16824.7
10°	16694.6
12.5°	16563.6
15°	16427.5
17.5°	16241.9
20°	15984.7
22.5°	15678.9
25°	15273.8
27.5°	14734.6
30°	13894.6
32.5°	12620.8
35°	11038.1
37.5°	9338.2
40°	7679.1
42.5°	6245.3
45°	5033.0
47.5°	3951.7
50°	3046.2
52.5°	2360.1
55°	2266.8
57.5°	2232.0
60°	2090.1
62.5°	1775.3
65°	1380.1
67.5°	1024.7
70°	765.5
72.5°	595.7
75°	468.6
77.5°	355.5
80°	277.0
82.5°	232.3
85°	220.4
87.5°	237.3
90°	280.0
92.5°	343.5
95°	412.1
97.5°	464.7
100°	475.6
102.5°	445.8
105°	396.2
107.5°	341.6
110°	285.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	231.3
115°	185.7
117.5°	147.9
120°	121.1
122.5°	102.3
125°	90.4
127.5°	83.4
130°	80.4
132.5°	80.4
135°	80.4
137.5°	80.4
140°	79.4
142.5°	77.4
145°	76.5
147.5°	75.5
150°	74.5
152.5°	72.5
155°	71.5
157.5°	68.5
160°	65.5
162.5°	61.6
165°	57.6
167.5°	53.6
170°	50.6
172.5°	47.7
175°	45.7
177.5°	43.7
180°	44.7

(END OF REPORT)