

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: P1505064

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505064
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-68)
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-04-TRWH-PS (6500K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

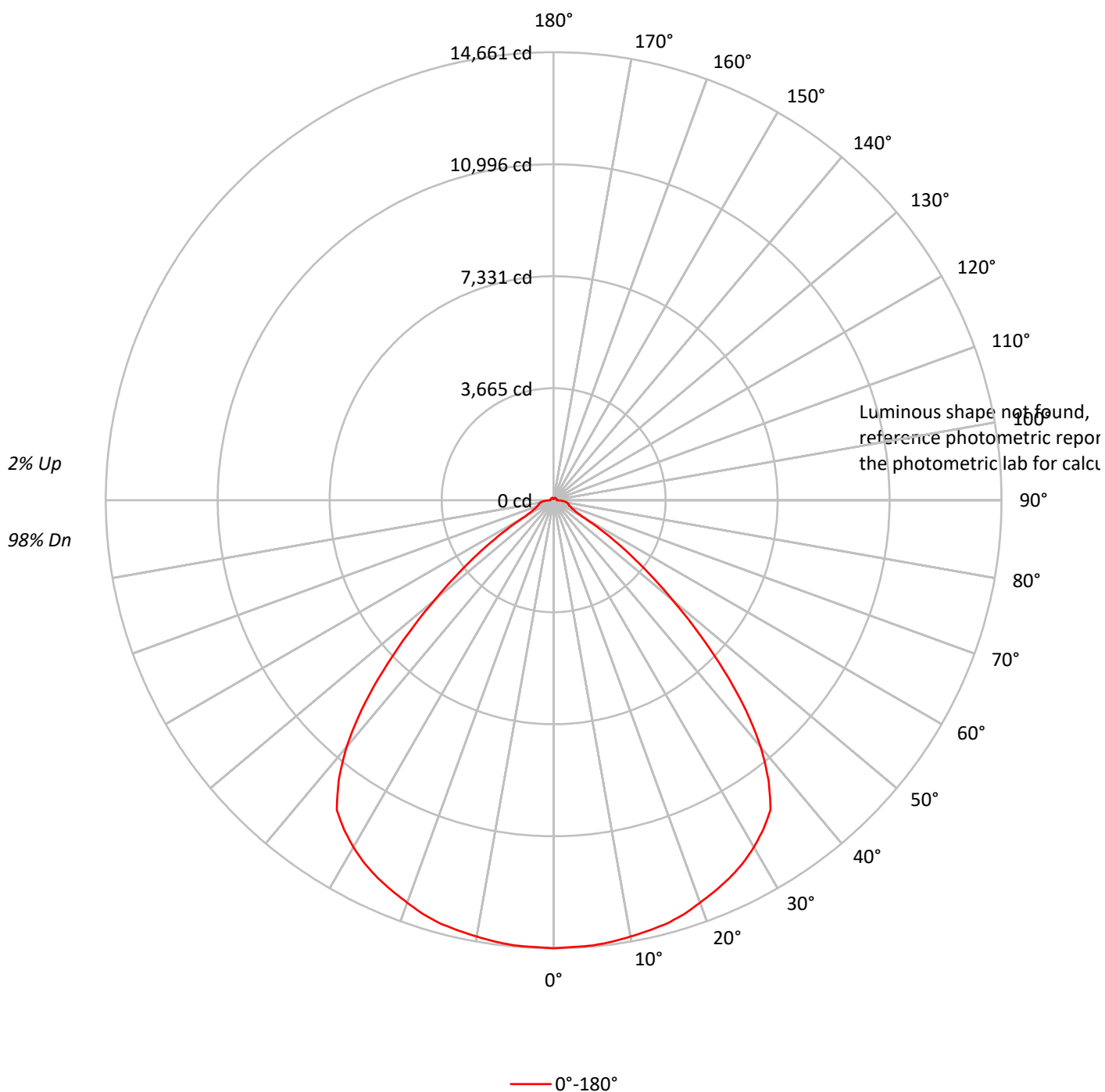
Lumens per Lamp: N/A
Luminaire Lumens: 30170.3 lumens
Efficiency: N/A
Efficacy: 150.8 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 200.1
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



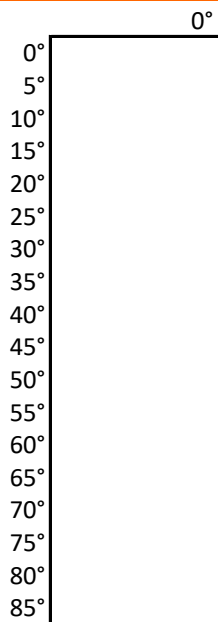
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100			98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89			87
2	103	97	91	87	100	95	90	86	91	87	83	88	84	81	84	82	79			77
3	96	87	81	75	93	86	80	75	83	77	73	80	75	72	77	73	70			68
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63			61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	56			54
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	51			49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46			44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41			40
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35			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°	1391.8	4.6
10°-20°	4048.1	13.4
20°-30°	6285.8	20.8
30°-40°	7591.7	25.2
40°-50°	6034.9	20.0
50°-60°	2640.7	8.8
60°-70°	742.2	2.5
70°-80°	530.6	1.8
80°-90°	320.4	1.1
90°-100°	110.2	0.4
100°-110°	106.6	0.4
110°-120°	98.1	0.3
120°-130°	85.2	0.3
130°-140°	70.5	0.2
140°-150°	56.2	0.2
150°-160°	36.5	0.1
160°-170°	16.5	0.1
170°-180°	4.2	0.0
0°-30°	11725.8	38.9
0°-40°	19317.5	64.0
0°-60°	27993.1	92.8
0°-90°	29586.3	98.1
90°-120°	314.9	1.0
90°-150°	526.8	1.7
90°-180°	584.0	1.9
0°-180°	30170.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14661	
5°	14626	###
15°	14338	4048
25°	13634	6286
35°	12376	7592
45°	7891	6035
55°	2904	2641
65°	701	742
75°	504	531
85°	310	277
90°	108	72
95°	100	82
105°	101	107
115°	99	98
125°	95	85
135°	91	71
145°	90	56
155°	78	36
165°	56	17
175°	42	4
180°	41	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14661.4
2.5°	14634.4
5°	14626.4
7.5°	14574.4
10°	14498.5
12.5°	14420.6
15°	14337.6
17.5°	14203.7
20°	14012.9
22.5°	13829.0
25°	13634.2
27.5°	13400.4
30°	13108.6
32.5°	12772.9
35°	12376.2
37.5°	11554.8
40°	10552.6
42.5°	9316.6
45°	7890.7
47.5°	6449.9
50°	5082.0
52.5°	3915.9
55°	2903.7
57.5°	1985.4
60°	1154.1
62.5°	835.3
65°	701.4
67.5°	612.5
70°	556.6
72.5°	528.6
75°	503.6
77.5°	478.6
80°	437.7
82.5°	383.7
85°	309.8
87.5°	209.8
90°	107.9
92.5°	98.9
95°	99.9
97.5°	100.9
100°	100.9
102.5°	100.9
105°	100.9
107.5°	100.9
110°	99.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	99.9
115°	98.9
117.5°	97.9
120°	96.9
122.5°	95.9
125°	94.9
127.5°	93.9
130°	92.9
132.5°	91.9
135°	90.9
137.5°	89.9
140°	89.9
142.5°	89.9
145°	89.9
147.5°	88.9
150°	87.9
152.5°	83.9
155°	77.9
157.5°	72.9
160°	67.9
162.5°	62.0
165°	56.0
167.5°	53.0
170°	48.0
172.5°	45.0
175°	42.0
177.5°	41.0
180°	41.0

(END OF REPORT)