

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: P1505164

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505164
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_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

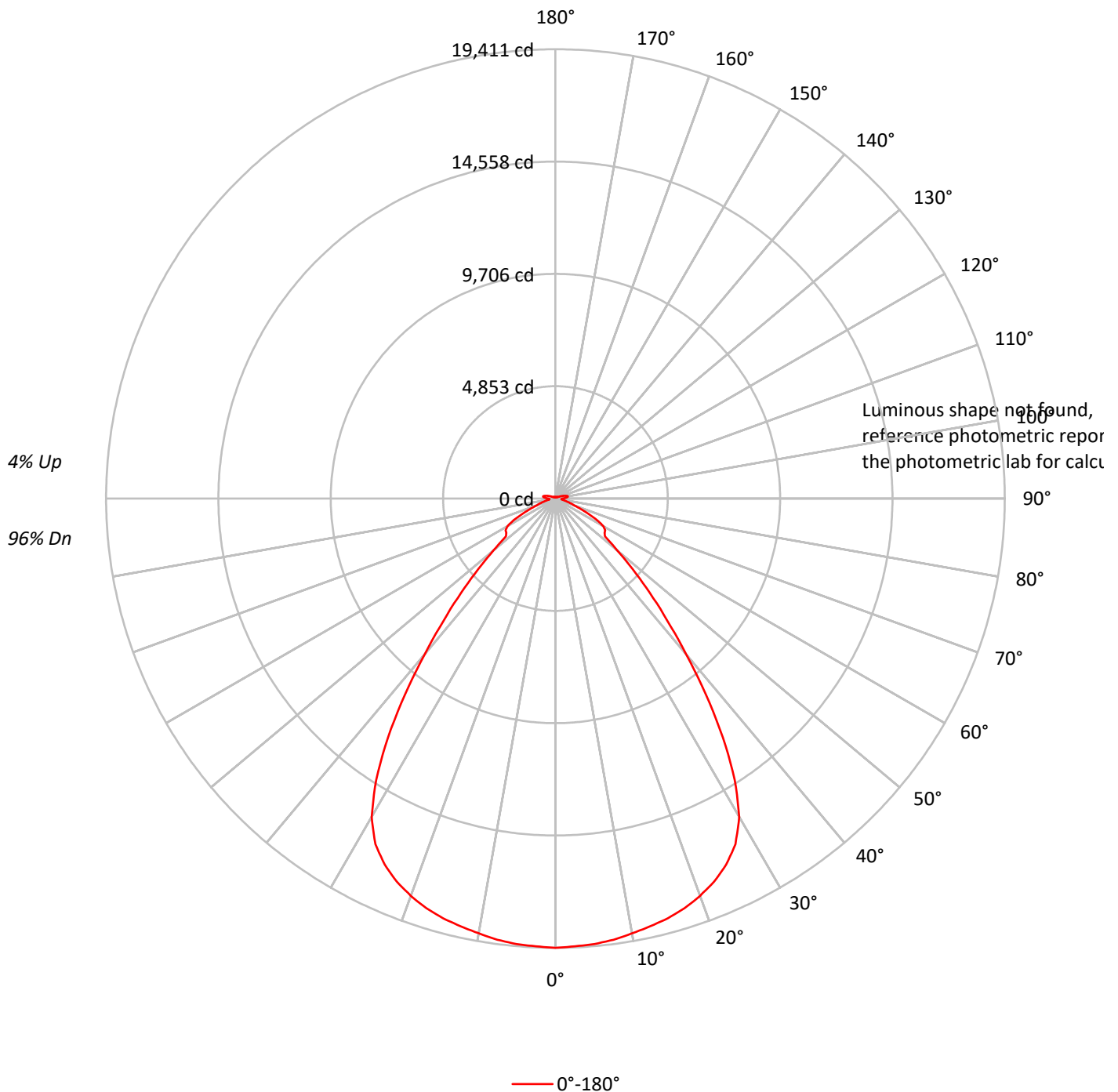
Lumens per Lamp: N/A
Luminaire Lumens: 33738.3 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.12
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 237.6
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





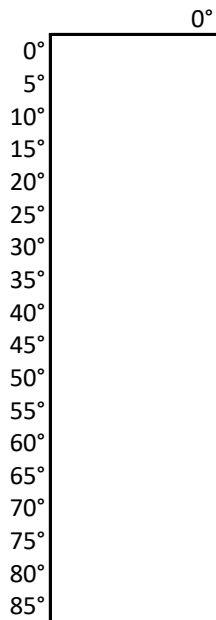
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1836.5	5.4
10°-20°	5298.4	15.7
20°-30°	7985.0	23.7
30°-40°	7768.1	23.0
40°-50°	4499.8	13.3
50°-60°	2409.3	7.1
60°-70°	1580.0	4.7
70°-80°	584.5	1.7
80°-90°	301.9	0.9
90°-100°	497.7	1.5
100°-110°	473.5	1.4
110°-120°	218.9	0.6
120°-130°	97.0	0.3
130°-140°	71.1	0.2
140°-150°	55.0	0.2
150°-160°	37.5	0.1
160°-170°	18.9	0.1
170°-180°	5.2	0.0
0°-30°	15119.9	44.8
0°-40°	22888.0	67.8
0°-60°	29797.1	88.3
0°-90°	32263.4	95.6
90°-120°	1190.2	3.5
90°-150°	1413.2	4.2
90°-180°	1475.0	4.4
0°-180°	33738.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19411	
5°	19321	###
15°	18770	5298
25°	17452	7985
35°	12612	7768
45°	5751	4500
55°	2590	2409
65°	1577	1580
75°	536	584
85°	252	221
90°	320	179
95°	471	400
105°	453	473
115°	212	219
125°	103	97
135°	92	71
145°	87	55
155°	82	37
165°	66	19
175°	52	5
180°	51	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19411.4
2.5°	19361.5
5°	19320.7
7.5°	19224.3
10°	19075.6
12.5°	18925.9
15°	18770.4
17.5°	18558.3
20°	18264.5
22.5°	17915.0
25°	17452.1
27.5°	16836.1
30°	15876.3
32.5°	14420.7
35°	12612.3
37.5°	10670.1
40°	8774.3
42.5°	7136.1
45°	5750.8
47.5°	4515.3
50°	3480.7
52.5°	2696.7
55°	2590.1
57.5°	2550.4
60°	2388.1
62.5°	2028.5
65°	1577.0
67.5°	1170.8
70°	874.7
72.5°	680.7
75°	535.5
77.5°	406.2
80°	316.5
82.5°	265.5
85°	251.9
87.5°	271.1
90°	319.9
92.5°	392.5
95°	470.8
97.5°	531.0
100°	543.4
102.5°	509.4
105°	452.7
107.5°	390.3
110°	325.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	264.3
115°	212.2
117.5°	169.0
120°	138.4
122.5°	116.9
125°	103.2
127.5°	95.3
130°	91.9
132.5°	91.9
135°	91.9
137.5°	91.9
140°	90.8
142.5°	88.5
145°	87.4
147.5°	86.2
150°	85.1
152.5°	82.8
155°	81.7
157.5°	78.3
160°	74.9
162.5°	70.3
165°	65.8
167.5°	61.3
170°	57.9
172.5°	54.5
175°	52.2
177.5°	49.9
180°	51.1

(END OF REPORT)