

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: P1505160

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505160
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 (3000K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

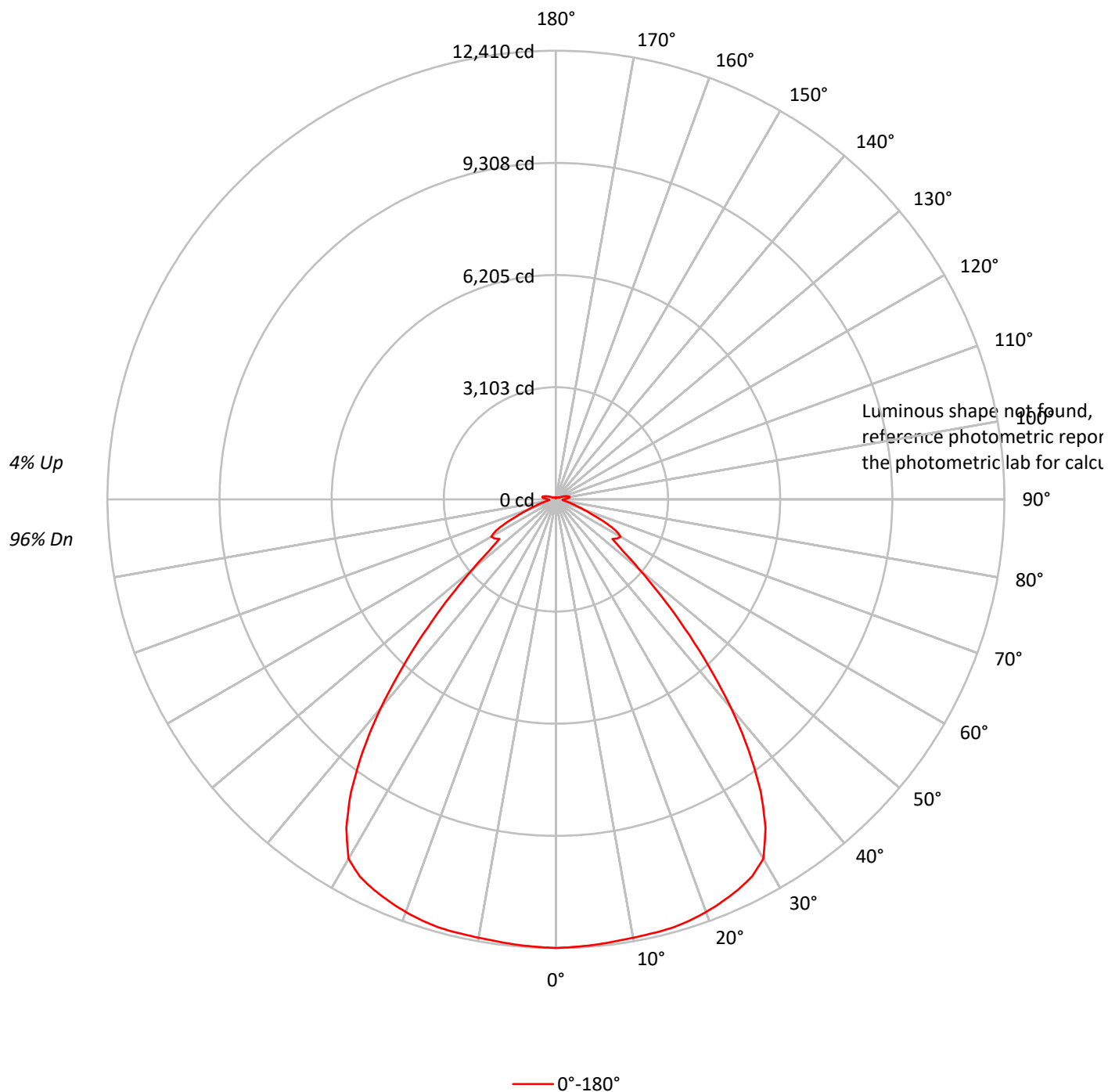
Lumens per Lamp: N/A
Luminaire Lumens: 25343.5 lumens
Efficiency: N/A
Efficacy: 159.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.22
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 159.4
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





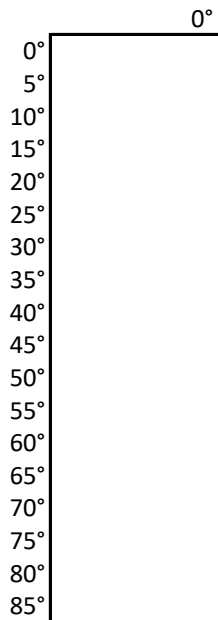
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
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°	1178.6	4.7
10°-20°	3472.9	13.7
20°-30°	5491.5	21.7
30°-40°	6070.6	24.0
40°-50°	3918.4	15.5
50°-60°	1959.5	7.7
60°-70°	1447.6	5.7
70°-80°	505.0	2.0
80°-90°	221.6	0.9
90°-100°	341.4	1.3
100°-110°	344.3	1.4
110°-120°	167.1	0.7
120°-130°	76.7	0.3
130°-140°	56.7	0.2
140°-150°	43.6	0.2
150°-160°	29.4	0.1
160°-170°	14.9	0.1
170°-180°	3.9	0.0
0°-30°	10142.9	40.0
0°-40°	16213.5	64.0
0°-60°	22091.4	87.2
0°-90°	24265.5	95.7
90°-120°	852.8	3.4
90°-150°	1029.8	4.1
90°-180°	1078.0	4.3
0°-180°	25343.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12410	
5°	12366	###
15°	12281	3473
25°	11917	5491
35°	9886	6071
45°	5025	3918
55°	1908	1959
65°	1480	1448
75°	457	505
85°	183	166
90°	216	121
95°	320	275
105°	331	344
115°	162	167
125°	82	77
135°	73	57
145°	69	44
155°	64	29
165°	52	15
175°	39	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12409.7
2.5°	12389.1
5°	12366.0
7.5°	12336.3
10°	12311.5
12.5°	12295.0
15°	12281.0
17.5°	12230.7
20°	12147.3
22.5°	12040.9
25°	11917.2
27.5°	11760.4
30°	11475.0
32.5°	10794.3
35°	9886.0
37.5°	8768.1
40°	7554.6
42.5°	6251.9
45°	5025.1
47.5°	3931.1
50°	3007.1
52.5°	2311.7
55°	1908.2
57.5°	2011.4
60°	2065.8
62.5°	1873.6
65°	1480.1
67.5°	1087.4
70°	789.5
72.5°	594.0
75°	457.1
77.5°	342.4
80°	257.4
82.5°	204.6
85°	183.2
87.5°	188.1
90°	216.2
92.5°	265.7
95°	320.1
97.5°	367.1
100°	382.8
102.5°	365.5
105°	330.8
107.5°	289.6
110°	245.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	201.3
115°	161.7
117.5°	130.4
120°	108.1
122.5°	92.4
125°	81.7
127.5°	75.9
130°	73.4
132.5°	73.4
135°	73.4
137.5°	73.4
140°	71.8
142.5°	70.1
145°	69.3
147.5°	68.5
150°	66.8
152.5°	65.2
155°	63.5
157.5°	61.9
160°	58.6
162.5°	55.3
165°	52.0
167.5°	47.9
170°	44.6
172.5°	41.3
175°	38.8
177.5°	37.1
180°	37.1

(END OF REPORT)