

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: P1505528

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505528
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-118)
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-B-06-CLER-PS (3500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

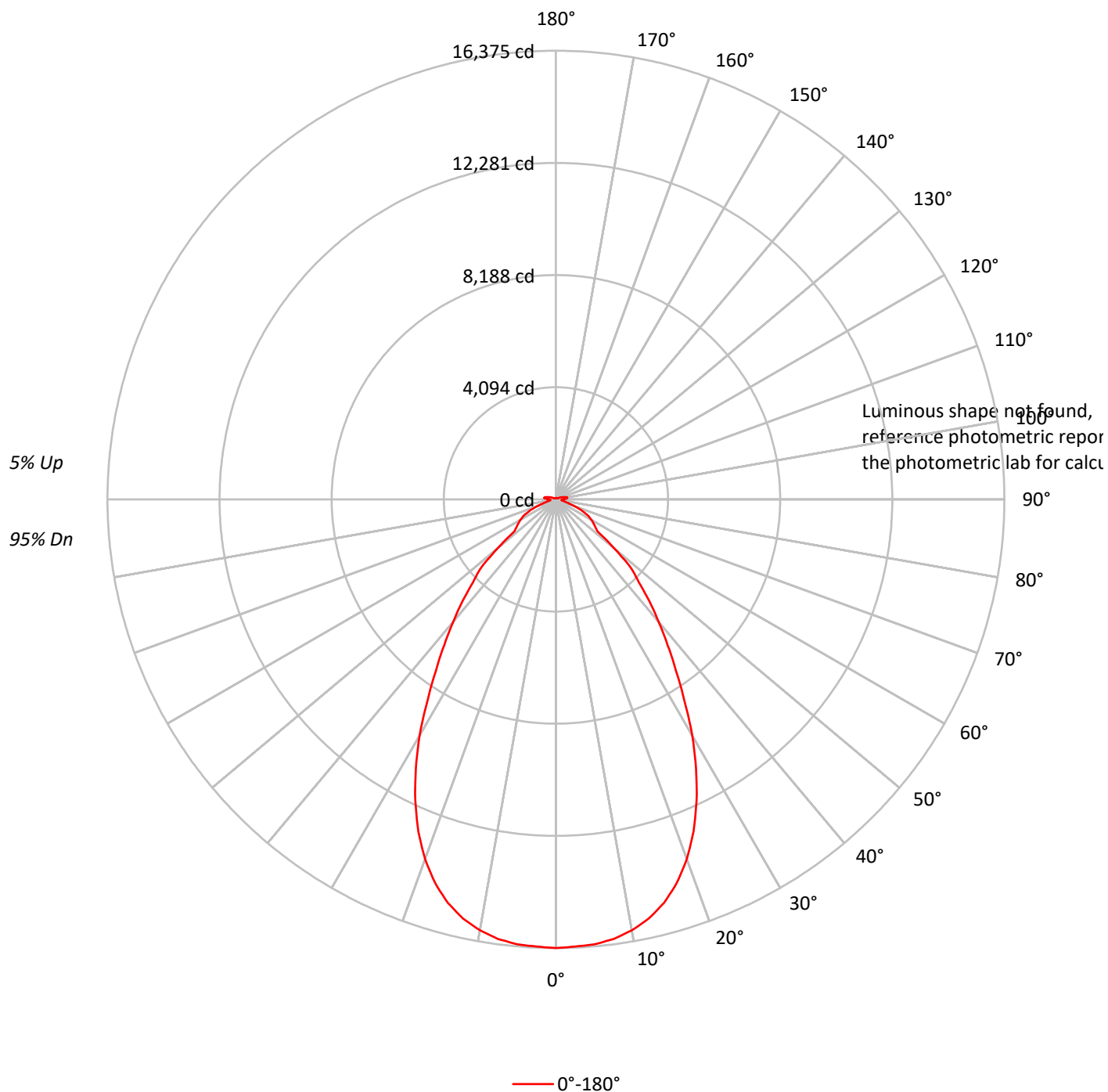
Lumens per Lamp: N/A
Luminaire Lumens: 24054.5 lumens
Efficiency: N/A
Efficacy: 152.7 lumens/watt
Spacing Criteria (0/90/45): 1/1/2001
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 157.5
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



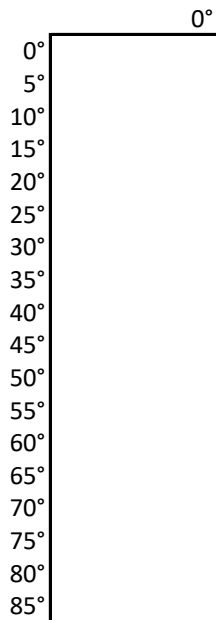
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	103	103	103	98	98	98	95		
1	110	107	103	101	107	104	101	99	99	97	95	95	93	91	90	89	88	85		
2	103	97	91	87	100	94	90	86	90	86	83	87	83	81	83	80	78	76		
3	96	88	81	76	93	86	80	75	83	78	74	79	75	72	76	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	61		
5	84	73	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	55		
6	79	68	60	55	77	67	60	55	64	58	54	62	57	53	61	56	52	51		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	50	46	56	50	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	38	46	42	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3500K_L24_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1545.3	6.4
10°-20°	4263.5	17.7
20°-30°	5536.5	23.0
30°-40°	4815.1	20.0
40°-50°	3335.0	13.9
50°-60°	1653.7	6.9
60°-70°	1131.0	4.7
70°-80°	434.2	1.8
80°-90°	235.2	1.0
90°-100°	404.8	1.7
100°-110°	351.2	1.5
110°-120°	154.6	0.6
120°-130°	65.8	0.3
130°-140°	47.7	0.2
140°-150°	36.8	0.2
150°-160°	25.4	0.1
160°-170°	14.4	0.1
170°-180°	4.4	0.0
0°-30°	11345.3	47.2
0°-40°	16160.4	67.2
0°-60°	21149.1	87.9
0°-90°	22949.4	95.4
90°-120°	910.6	3.8
90°-150°	1060.9	4.4
90°-180°	1105.0	4.6
0°-180°	24054.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16375	
5°	16298	###
15°	15245	4263
25°	12151	5536
35°	7646	4815
45°	4270	3335
55°	1753	1654
65°	1167	1131
75°	376	434
85°	198	169
90°	265	148
95°	390	324
105°	333	351
115°	149	155
125°	70	66
135°	62	48
145°	58	37
155°	55	25
165°	51	14
175°	47	4
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16374.8
2.5°	16334.9
5°	16297.5
7.5°	16180.5
10°	15968.7
12.5°	15672.2
15°	15245.4
17.5°	14681.6
20°	13968.3
22.5°	13122.1
25°	12151.3
27.5°	11082.6
30°	9955.7
32.5°	8739.2
35°	7645.5
37.5°	6694.7
40°	5844.4
42.5°	5053.0
45°	4269.9
47.5°	3756.8
50°	2761.9
52.5°	1904.1
55°	1753.0
57.5°	1625.1
60°	1495.6
62.5°	1351.9
65°	1166.7
67.5°	950.8
70°	720.8
72.5°	515.7
75°	376.2
77.5°	284.0
80°	225.0
82.5°	198.5
85°	197.6
87.5°	220.9
90°	264.9
92.5°	328.0
95°	389.5
97.5°	424.3
100°	421.0
102.5°	382.8
105°	333.0
107.5°	282.3
110°	233.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	188.5
115°	148.6
117.5°	117.9
120°	95.5
122.5°	79.7
125°	69.8
127.5°	63.9
130°	61.5
132.5°	60.6
135°	62.3
137.5°	62.3
140°	61.5
142.5°	60.6
145°	58.1
147.5°	56.5
150°	55.6
152.5°	54.8
155°	54.8
157.5°	54.8
160°	54.0
162.5°	52.3
165°	50.7
167.5°	48.2
170°	46.5
172.5°	45.7
175°	47.3
177.5°	47.3
180°	47.3

(END OF REPORT)