

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: P1505159

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505159
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-106)
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_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

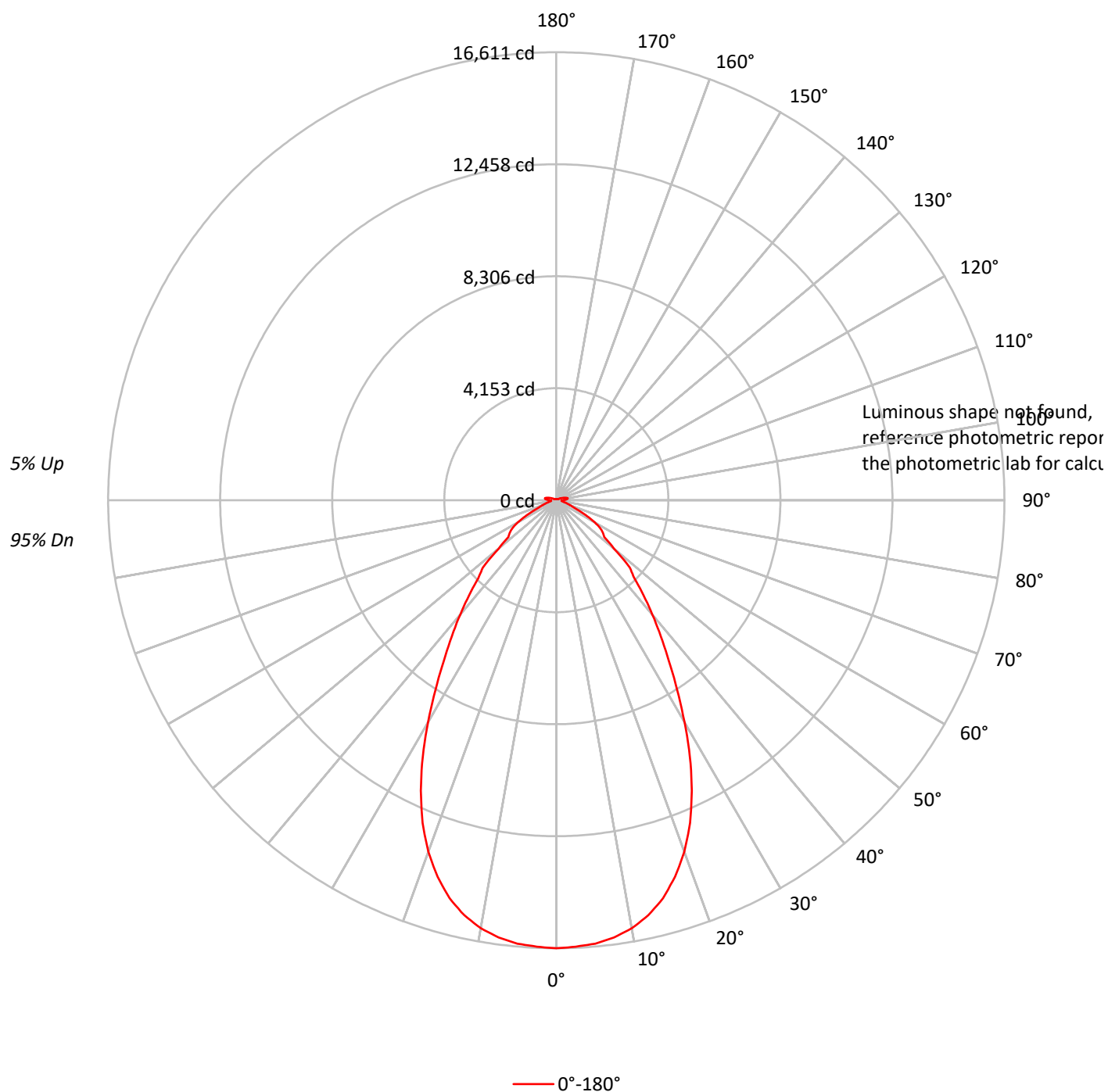
Lumens per Lamp: N/A
Luminaire Lumens: 23655.5 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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





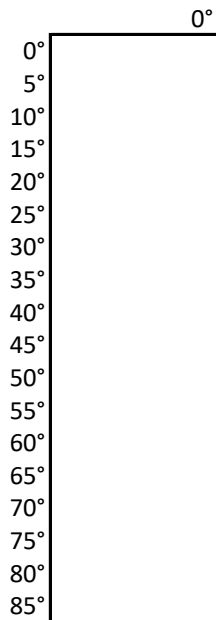
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	108	108	108	103	103	103	98	98	98	95		
1	110	107	104	101	107	104	101	99	99	97	95	95	93	91	90	89	87	85		
2	103	97	91	87	100	95	90	86	90	86	83	87	83	81	83	80	78	76		
3	96	88	82	76	93	86	80	76	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	74	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	56		
6	79	68	60	55	77	67	60	55	64	58	54	63	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	51	46	56	50	45	54	49	45	53	48	44	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1562.8	6.6
10°-20°	4266.5	18.0
20°-30°	5406.9	22.9
30°-40°	4579.1	19.4
40°-50°	3210.6	13.6
50°-60°	1899.7	8.0
60°-70°	999.8	4.2
70°-80°	375.4	1.6
80°-90°	227.9	1.0
90°-100°	402.1	1.7
100°-110°	368.0	1.6
110°-120°	162.2	0.7
120°-130°	67.7	0.3
130°-140°	47.3	0.2
140°-150°	36.9	0.2
150°-160°	25.5	0.1
160°-170°	13.3	0.1
170°-180°	3.8	0.0
0°-30°	11236.1	47.5
0°-40°	15815.2	66.9
0°-60°	20925.5	88.5
0°-90°	22528.6	95.2
90°-120°	932.4	3.9
90°-150°	1084.3	4.6
90°-180°	1127.0	4.8
0°-180°	23655.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16611	
5°	16505	###
15°	15277	4266
25°	11885	5407
35°	7264	4579
45°	4083	3211
55°	2116	1900
65°	963	1000
75°	348	375
85°	191	162
90°	262	146
95°	383	322
105°	352	368
115°	156	162
125°	72	68
135°	61	47
145°	59	37
155°	55	26
165°	46	13
175°	39	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16610.6
2.5°	16566.9
5°	16505.0
7.5°	16348.3
10°	16114.0
12.5°	15762.5
15°	15277.4
17.5°	14633.1
20°	13865.8
22.5°	12950.1
25°	11885.0
27.5°	10722.6
30°	9499.1
32.5°	8325.9
35°	7264.2
37.5°	6355.8
40°	5539.1
42.5°	4780.1
45°	4082.9
47.5°	3691.1
50°	2793.5
52.5°	2235.8
55°	2116.1
57.5°	1928.0
60°	1657.4
62.5°	1300.2
65°	962.8
67.5°	699.6
70°	534.6
72.5°	431.5
75°	348.2
77.5°	269.8
80°	214.5
82.5°	188.9
85°	191.4
87.5°	217.0
90°	261.5
92.5°	322.6
95°	382.8
97.5°	424.1
100°	429.8
102.5°	398.5
105°	351.5
107.5°	300.3
110°	246.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	198.0
115°	155.9
117.5°	122.9
120°	99.8
122.5°	82.5
125°	71.8
127.5°	65.2
130°	61.9
132.5°	61.1
135°	61.1
137.5°	61.1
140°	60.2
142.5°	59.4
145°	58.6
147.5°	57.8
150°	57.8
152.5°	56.1
155°	55.3
157.5°	53.6
160°	52.0
162.5°	48.7
165°	46.2
167.5°	43.7
170°	41.3
172.5°	40.4
175°	38.8
177.5°	38.8
180°	38.8

(END OF REPORT)