

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: P1504853

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504853
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-61)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

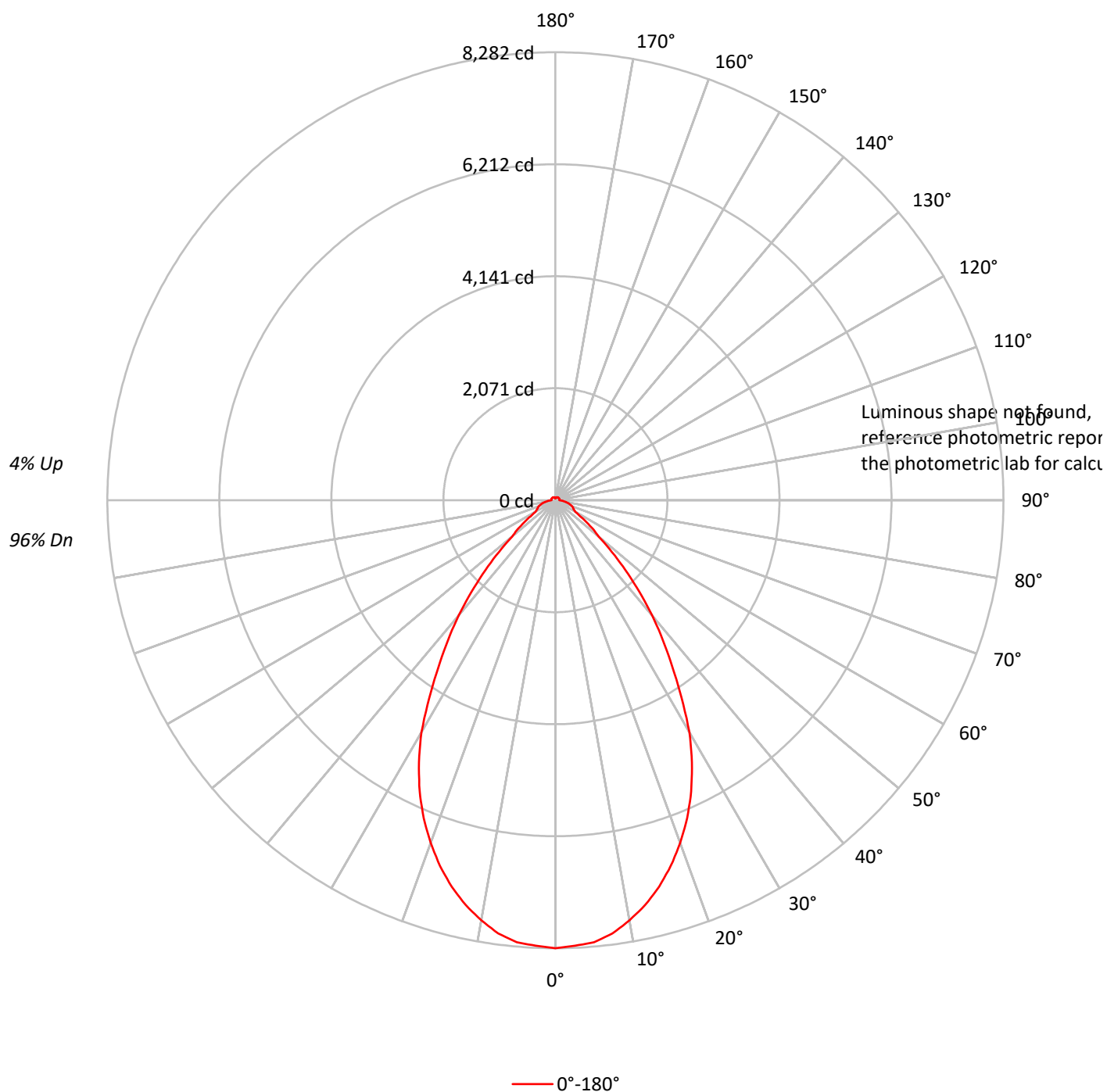
Lumens per Lamp: N/A
Luminaire Lumens: 11189.4 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 81.7
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	111	107	104	101	108	104	101	99	99	97	95	95	93	91	91	89	88	86		
2	103	97	92	88	101	95	90	86	91	87	84	87	84	81	84	81	79	77		
3	97	89	82	77	94	87	81	76	83	79	75	80	76	73	78	74	71	69		
4	90	81	74	69	88	80	73	68	77	71	67	74	70	66	72	68	65	63		
5	85	75	67	62	83	73	67	62	71	65	61	69	64	60	67	62	59	57		
6	80	69	62	57	78	68	61	56	66	60	55	64	59	55	62	58	54	52		
7	75	64	57	52	73	63	56	51	61	55	51	60	54	50	58	53	50	48		
8	71	59	52	47	69	59	52	47	57	51	47	56	50	46	54	49	46	44		
9	67	55	49	44	65	55	48	44	53	47	43	52	47	43	51	46	43	41		
10	63	52	45	41	62	51	45	41	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	772.6	6.9
10°-20°	2071.5	18.5
20°-30°	2707.6	24.2
30°-40°	2365.7	21.1
40°-50°	1424.2	12.7
50°-60°	622.5	5.6
60°-70°	365.5	3.3
70°-80°	281.2	2.5
80°-90°	144.6	1.3
90°-100°	78.7	0.7
100°-110°	78.5	0.7
110°-120°	73.7	0.7
120°-130°	64.7	0.6
130°-140°	53.2	0.5
140°-150°	40.5	0.4
150°-160°	27.1	0.2
160°-170°	13.8	0.1
170°-180°	3.8	0.0
0°-30°	5551.7	49.6
0°-40°	7917.4	70.8
0°-60°	9964.1	89.0
0°-90°	10755.5	96.1
90°-120°	230.8	2.1
90°-150°	389.2	3.5
90°-180°	434.0	3.9
0°-180°	11189.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8282	
5°	8202	773
15°	7398	2072
25°	5938	2708
35°	3766	2366
45°	1826	1424
55°	680	623
65°	364	366
75°	268	281
85°	131	121
90°	72	43
95°	72	59
105°	74	78
115°	74	74
125°	72	65
135°	69	53
145°	64	41
155°	58	27
165°	48	14
175°	38	4
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8281.9
2.5°	8243.4
5°	8201.8
7.5°	8078.5
10°	7885.6
12.5°	7664.6
15°	7398.0
17.5°	7088.9
20°	6740.6
22.5°	6360.3
25°	5937.6
27.5°	5464.4
30°	4950.4
32.5°	4338.7
35°	3766.2
37.5°	3262.6
40°	2779.0
42.5°	2296.3
45°	1826.3
47.5°	1417.1
50°	1044.0
52.5°	869.5
55°	679.7
57.5°	517.2
60°	424.3
62.5°	385.9
65°	364.3
67.5°	349.1
70°	327.5
72.5°	300.2
75°	268.2
77.5°	233.8
80°	198.6
82.5°	164.9
85°	131.3
87.5°	99.3
90°	72.1
92.5°	70.5
95°	72.1
97.5°	72.9
100°	73.7
102.5°	73.7
105°	74.5
107.5°	74.5
110°	74.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	74.5
115°	74.5
117.5°	73.7
120°	73.7
122.5°	72.9
125°	72.1
127.5°	71.3
130°	70.5
132.5°	69.7
135°	68.9
137.5°	67.3
140°	66.5
142.5°	65.7
145°	64.1
147.5°	63.3
150°	62.5
152.5°	60.8
155°	58.4
157.5°	56.0
160°	53.6
162.5°	51.2
165°	48.0
167.5°	45.6
170°	42.4
172.5°	39.2
175°	38.4
177.5°	38.4
180°	38.4

(END OF REPORT)