

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: P1504879

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504879
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-62)
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 (6500K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

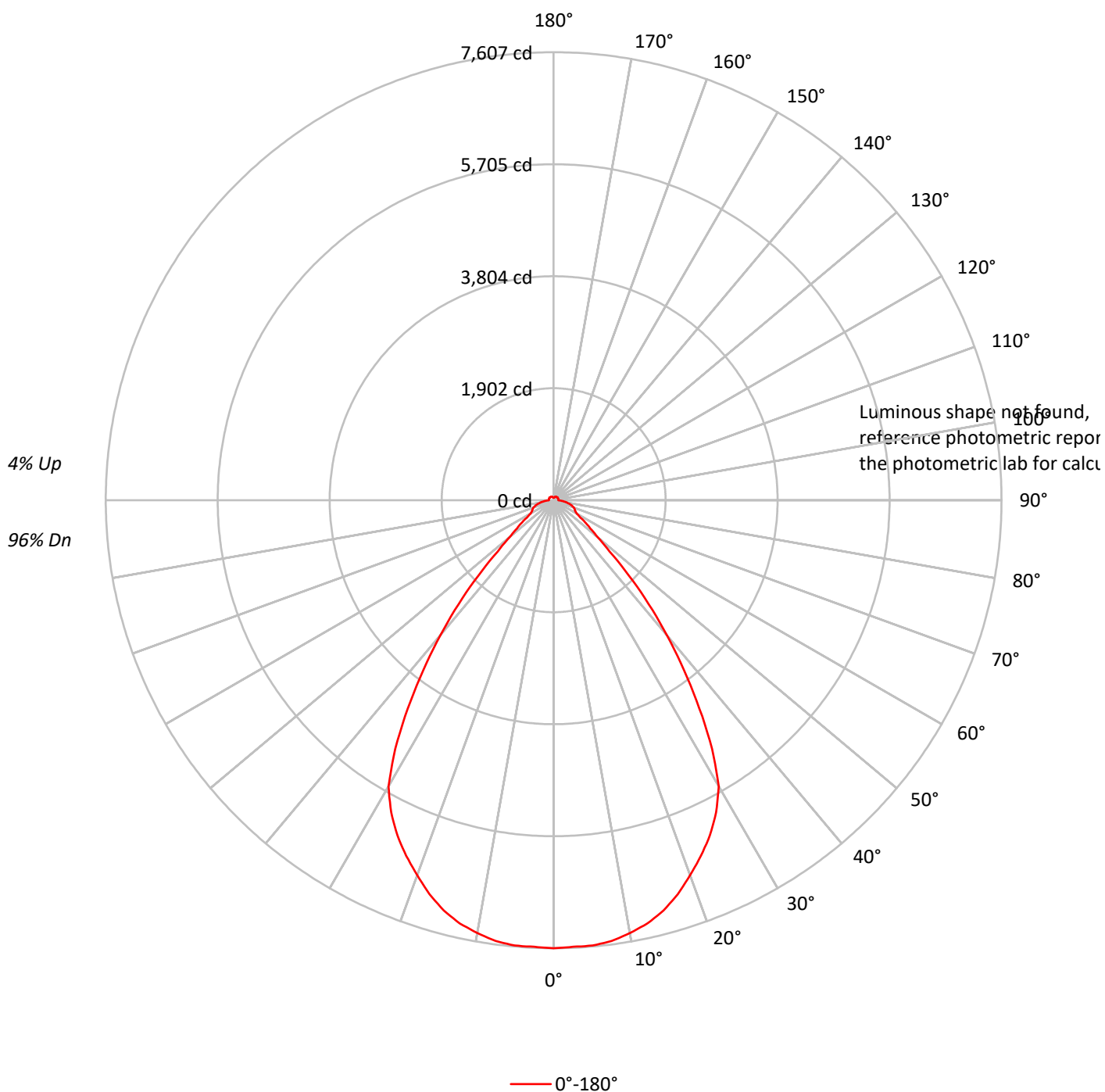
Lumens per Lamp: N/A
Luminaire Lumens: 11666.8 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 83
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





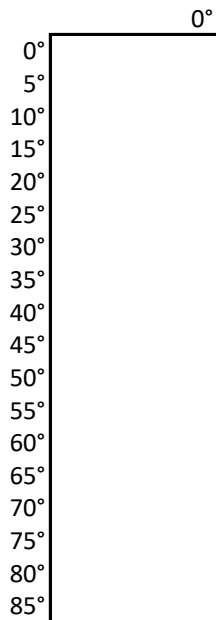
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	98	98			
1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	88	88	88	88	86			
2	103	97	92	87	100	95	90	86	91	87	83	87	84	81	83	81	79	79	79	79	79	76			
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	74	71	71	71	71	71	69			
4	90	81	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	64	64	64	64	62			
5	84	74	67	62	82	73	66	61	70	65	60	68	63	59	66	62	58	58	58	58	58	56			
6	79	68	61	56	77	67	60	55	65	59	55	63	58	54	61	57	53	53	53	53	53	51			
7	74	63	56	51	73	62	55	51	61	54	50	59	53	49	57	53	49	49	49	49	49	47			
8	70	59	52	47	68	58	51	46	56	50	46	55	49	46	54	49	45	45	45	45	45	43			
9	66	55	48	43	65	54	47	43	53	47	42	51	46	42	50	45	42	42	42	42	42	40			
10	62	51	44	40	61	50	44	40	49	43	39	48	43	39	47	42	39	39	39	39	39	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°	720.4	6.2
10°-20°	2024.2	17.4
20°-30°	2875.5	24.6
30°-40°	2678.3	23.0
40°-50°	1423.0	12.2
50°-60°	595.2	5.1
60°-70°	399.7	3.4
70°-80°	315.4	2.7
80°-90°	162.1	1.4
90°-100°	85.8	0.7
100°-110°	85.8	0.7
110°-120°	80.3	0.7
120°-130°	70.7	0.6
130°-140°	57.9	0.5
140°-150°	44.1	0.4
150°-160°	29.3	0.3
160°-170°	14.9	0.1
170°-180°	4.0	0.0
0°-30°	5620.2	48.2
0°-40°	8298.5	71.1
0°-60°	10316.7	88.4
0°-90°	11193.9	95.9
90°-120°	251.9	2.2
90°-150°	424.6	3.6
90°-180°	473.0	4.1
0°-180°	11666.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7607	
5°	7590	720
15°	7213	2024
25°	6278	2876
35°	4317	2678
45°	1805	1423
55°	649	595
65°	400	400
75°	300	315
85°	147	136
90°	78	47
95°	79	65
105°	81	86
115°	81	80
125°	79	71
135°	75	58
145°	70	44
155°	63	29
165°	52	15
175°	41	4
180°	41	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7606.9
2.5°	7589.0
5°	7589.8
7.5°	7547.6
10°	7463.1
12.5°	7359.2
15°	7213.0
17.5°	7012.4
20°	6776.1
22.5°	6537.3
25°	6278.3
27.5°	5976.2
30°	5609.1
32.5°	5004.9
35°	4317.1
37.5°	3639.8
40°	2990.1
42.5°	2388.4
45°	1805.3
47.5°	1288.8
50°	972.9
52.5°	785.3
55°	648.9
57.5°	527.0
60°	452.3
62.5°	420.7
65°	399.5
67.5°	384.9
70°	363.0
72.5°	334.6
75°	300.5
77.5°	264.7
80°	226.6
82.5°	186.0
85°	147.0
87.5°	109.6
90°	78.0
92.5°	77.1
95°	78.8
97.5°	79.6
100°	80.4
102.5°	81.2
105°	81.2
107.5°	81.2
110°	81.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	81.2
115°	81.2
117.5°	80.4
120°	80.4
122.5°	79.6
125°	78.8
127.5°	78.0
130°	77.1
132.5°	75.5
135°	74.7
137.5°	73.9
140°	72.3
142.5°	71.5
145°	69.8
147.5°	69.0
150°	67.4
152.5°	65.8
155°	63.3
157.5°	60.1
160°	58.5
162.5°	55.2
165°	52.0
167.5°	48.7
170°	45.5
172.5°	42.2
175°	40.6
177.5°	41.4
180°	40.6

(END OF REPORT)