

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: P1504846

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504846
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 (3000K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

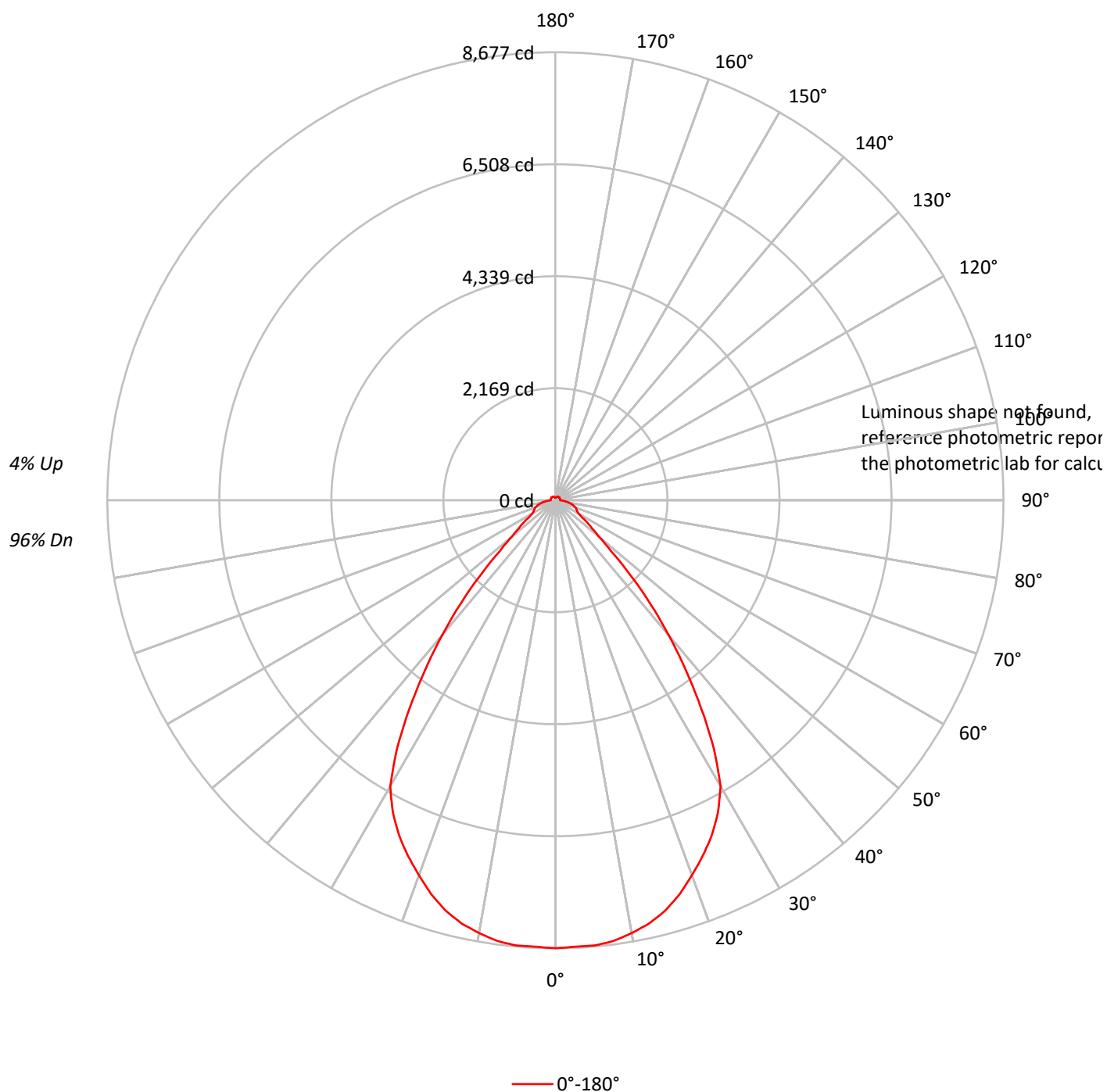
Lumens per Lamp: N/A
Luminaire Lumens: 13307.5 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.3
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



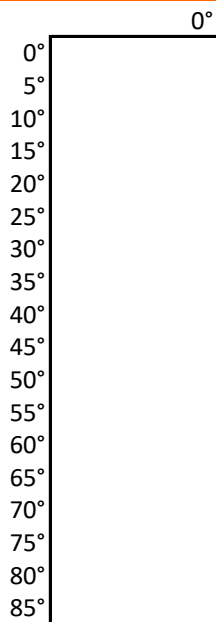
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	821.7	6.2
10°-20°	2308.9	17.4
20°-30°	3280.0	24.6
30°-40°	3055.0	23.0
40°-50°	1623.1	12.2
50°-60°	679.0	5.1
60°-70°	455.9	3.4
70°-80°	359.8	2.7
80°-90°	184.9	1.4
90°-100°	97.9	0.7
100°-110°	97.8	0.7
110°-120°	91.6	0.7
120°-130°	80.7	0.6
130°-140°	66.0	0.5
140°-150°	50.3	0.4
150°-160°	33.4	0.3
160°-170°	17.0	0.1
170°-180°	4.6	0.0
0°-30°	6410.6	48.2
0°-40°	9465.5	71.1
0°-60°	11767.6	88.4
0°-90°	12768.1	95.9
90°-120°	287.3	2.2
90°-150°	484.3	3.6
90°-180°	539.0	4.1
0°-180°	13307.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8677	
5°	8657	822
15°	8227	2309
25°	7161	3280
35°	4924	3055
45°	2059	1623
55°	740	679
65°	456	456
75°	343	360
85°	168	156
90°	89	54
95°	90	74
105°	93	98
115°	93	92
125°	90	81
135°	85	66
145°	80	50
155°	72	33
165°	59	17
175°	46	5
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8676.7
2.5°	8656.3
5°	8657.2
7.5°	8609.1
10°	8512.7
12.5°	8394.1
15°	8227.4
17.5°	7998.6
20°	7729.1
22.5°	7456.7
25°	7161.2
27.5°	6816.7
30°	6398.0
32.5°	5708.8
35°	4924.2
37.5°	4151.7
40°	3410.6
42.5°	2724.3
45°	2059.2
47.5°	1470.0
50°	1109.7
52.5°	895.7
55°	740.1
57.5°	601.2
60°	516.0
62.5°	479.8
65°	455.7
67.5°	439.1
70°	414.1
72.5°	381.6
75°	342.7
77.5°	302.0
80°	258.4
82.5°	212.1
85°	167.7
87.5°	125.1
90°	88.9
92.5°	88.0
95°	89.9
97.5°	90.8
100°	91.7
102.5°	92.6
105°	92.6
107.5°	92.6
110°	92.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	92.6
115°	92.6
117.5°	91.7
120°	91.7
122.5°	90.8
125°	89.9
127.5°	88.9
130°	88.0
132.5°	86.1
135°	85.2
137.5°	84.3
140°	82.4
142.5°	81.5
145°	79.7
147.5°	78.7
150°	76.9
152.5°	75.0
155°	72.3
157.5°	68.5
160°	66.7
162.5°	63.0
165°	59.3
167.5°	55.6
170°	51.9
172.5°	48.2
175°	46.3
177.5°	47.2
180°	46.3

(END OF REPORT)