

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: P1504843

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504843
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_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

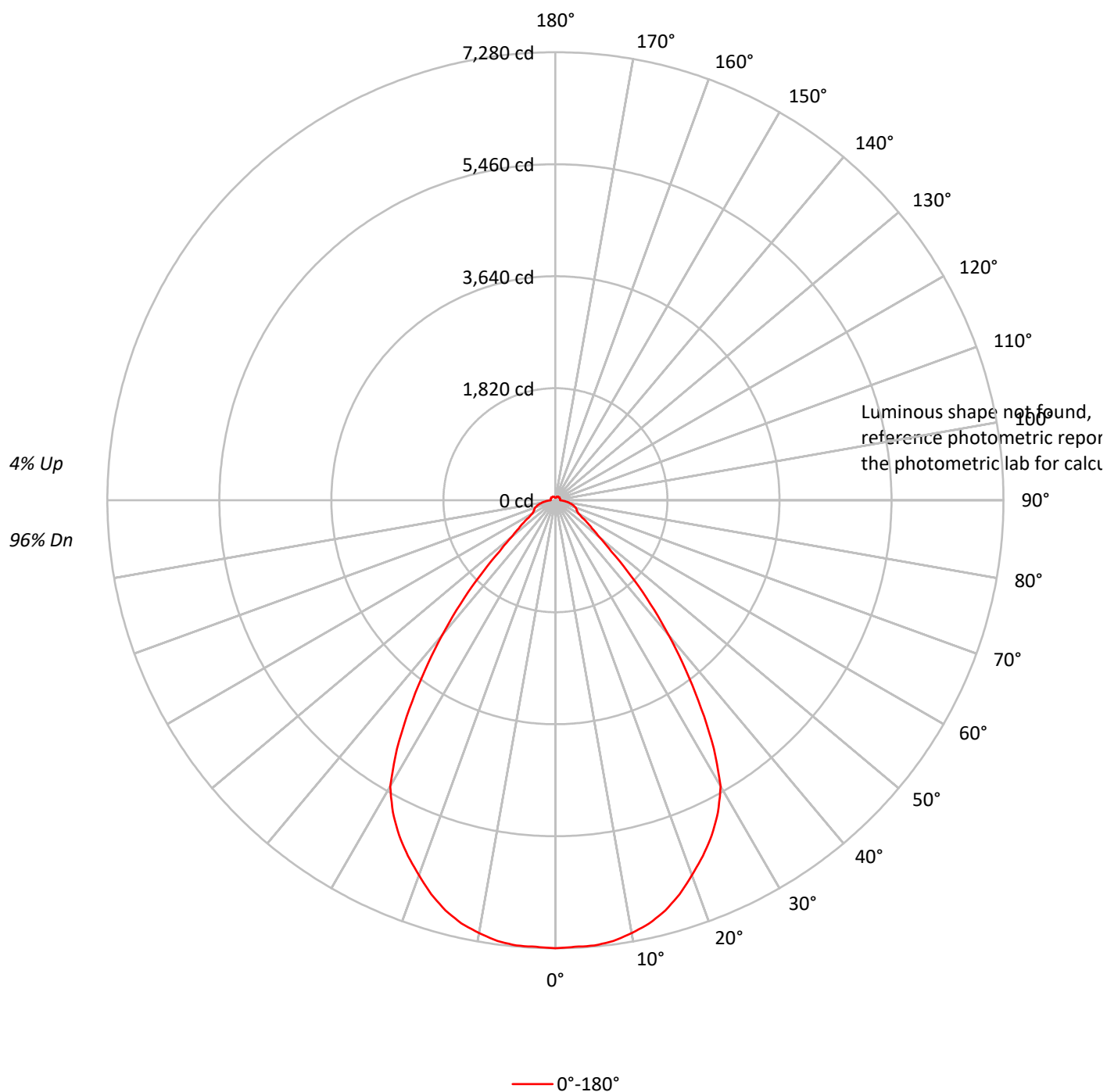
Lumens per Lamp: N/A
Luminaire Lumens: 11165.6 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 82.8
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°	689.4	6.2
10°-20°	1937.3	17.4
20°-30°	2752.0	24.6
30°-40°	2563.2	23.0
40°-50°	1361.9	12.2
50°-60°	569.7	5.1
60°-70°	382.5	3.4
70°-80°	301.9	2.7
80°-90°	155.1	1.4
90°-100°	82.1	0.7
100°-110°	82.1	0.7
110°-120°	76.8	0.7
120°-130°	67.7	0.6
130°-140°	55.4	0.5
140°-150°	42.2	0.4
150°-160°	28.1	0.3
160°-170°	14.3	0.1
170°-180°	3.9	0.0
0°-30°	5378.7	48.2
0°-40°	7942.0	71.1
0°-60°	9873.5	88.4
0°-90°	10713.0	95.9
90°-120°	241.1	2.2
90°-150°	406.3	3.6
90°-180°	453.0	4.1
0°-180°	11165.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7280	
5°	7264	689
15°	6903	1937
25°	6009	2752
35°	4132	2563
45°	1728	1362
55°	621	570
65°	382	383
75°	288	302
85°	141	130
90°	75	45
95°	75	62
105°	78	82
115°	78	77
125°	75	68
135°	72	55
145°	67	42
155°	61	28
165°	50	14
175°	39	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7280.1
2.5°	7263.0
5°	7263.8
7.5°	7223.4
10°	7142.5
12.5°	7043.1
15°	6903.2
17.5°	6711.2
20°	6485.0
22.5°	6256.5
25°	6008.6
27.5°	5719.5
30°	5368.2
32.5°	4789.9
35°	4131.6
37.5°	3483.4
40°	2861.7
42.5°	2285.8
45°	1727.7
47.5°	1233.4
50°	931.1
52.5°	751.6
55°	621.0
57.5°	504.4
60°	432.9
62.5°	402.6
65°	382.4
67.5°	368.4
70°	347.4
72.5°	320.2
75°	287.6
77.5°	253.4
80°	216.8
82.5°	178.0
85°	140.7
87.5°	104.9
90°	74.6
92.5°	73.8
95°	75.4
97.5°	76.2
100°	76.9
102.5°	77.7
105°	77.7
107.5°	77.7
110°	77.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	77.7
115°	77.7
117.5°	76.9
120°	76.9
122.5°	76.2
125°	75.4
127.5°	74.6
130°	73.8
132.5°	72.3
135°	71.5
137.5°	70.7
140°	69.2
142.5°	68.4
145°	66.8
147.5°	66.1
150°	64.5
152.5°	63.0
155°	60.6
157.5°	57.5
160°	56.0
162.5°	52.9
165°	49.7
167.5°	46.6
170°	43.5
172.5°	40.4
175°	38.9
177.5°	39.6
180°	38.9

(END OF REPORT)