

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: P1504840

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (6500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504840
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-56)
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-CLER-PS (6500K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

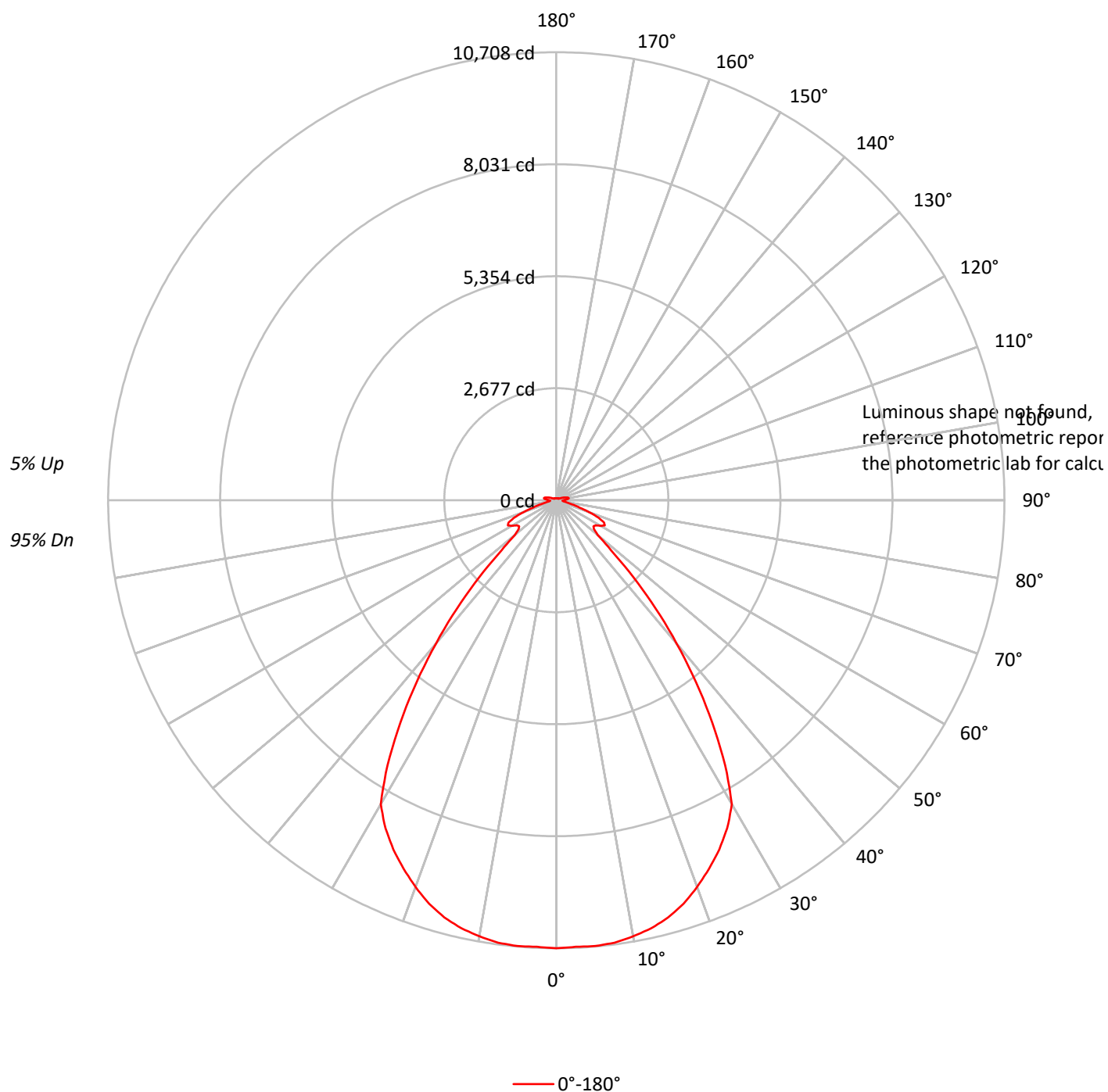
Lumens per Lamp: N/A
Luminaire Lumens: 17887.5 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.09
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 123.3
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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95		
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	85		
2	102	96	90	86	100	94	89	85	90	85	82	86	82	79	82	79	77	75		
3	95	87	80	75	93	85	79	74	82	77	72	78	74	71	75	72	69	67		
4	89	79	72	67	86	78	71	66	75	69	65	72	67	63	69	65	62	60		
5	83	72	65	60	81	71	64	59	69	63	58	66	61	57	64	60	56	54		
6	78	67	59	54	76	66	59	53	63	57	53	61	56	52	60	55	51	49		
7	73	62	54	49	71	61	54	49	59	53	48	57	52	47	55	51	47	45		
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41		
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	48	43	40	38		
10	61	50	43	38	60	49	42	38	48	42	38	46	41	37	45	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1017.5	5.7
10°-20°	2904.0	16.2
20°-30°	4226.8	23.6
30°-40°	4022.2	22.5
40°-50°	2049.6	11.5
50°-60°	1028.0	5.7
60°-70°	1157.7	6.5
70°-80°	467.4	2.6
80°-90°	175.0	1.0
90°-100°	269.4	1.5
100°-110°	266.1	1.5
110°-120°	126.7	0.7
120°-130°	57.6	0.3
130°-140°	44.0	0.2
140°-150°	34.4	0.2
150°-160°	23.6	0.1
160°-170°	13.8	0.1
170°-180°	3.9	0.0
0°-30°	8148.2	45.6
0°-40°	12170.4	68.0
0°-60°	15248.0	85.2
0°-90°	17048.1	95.3
90°-120°	662.2	3.7
90°-150°	798.2	4.5
90°-180°	839.0	4.7
0°-180°	17887.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10708	
5°	10694	###
15°	10326	2904
25°	9210	4227
35°	6498	4022
45°	2597	2050
55°	1083	1028
65°	1258	1158
75°	396	467
85°	147	131
90°	171	96
95°	253	217
105°	256	266
115°	123	127
125°	61	58
135°	58	44
145°	55	34
155°	50	24
165°	49	14
175°	40	4
180°	41	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10708.1
2.5°	10683.5
5°	10694.0
7.5°	10667.1
10°	10583.8
12.5°	10479.4
15°	10325.7
17.5°	10113.3
20°	9836.5
22.5°	9531.5
25°	9210.1
27.5°	8840.5
30°	8386.5
32.5°	7507.9
35°	6497.8
37.5°	5485.4
40°	4471.9
42.5°	3518.1
45°	2597.3
47.5°	1769.0
50°	1292.8
52.5°	1133.2
55°	1082.8
57.5°	1114.5
60°	1217.7
62.5°	1306.8
65°	1257.6
67.5°	1082.8
70°	838.8
72.5°	588.9
75°	396.5
77.5°	273.3
80°	197.1
82.5°	159.5
85°	146.6
87.5°	151.3
90°	171.3
92.5°	208.8
95°	253.4
97.5°	289.8
100°	301.5
102.5°	286.2
105°	255.7
107.5°	219.4
110°	184.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	152.5
115°	123.2
117.5°	99.7
120°	80.9
122.5°	69.2
125°	61.0
127.5°	57.5
130°	55.1
132.5°	56.3
135°	57.5
137.5°	57.5
140°	57.5
142.5°	56.3
145°	55.1
147.5°	52.8
150°	51.6
152.5°	51.6
155°	50.4
157.5°	50.4
160°	51.6
162.5°	50.4
165°	49.3
167.5°	45.8
170°	42.2
172.5°	39.9
175°	39.9
177.5°	39.9
180°	41.1

(END OF REPORT)