

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: P1504800

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504800
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-57)
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 (3000K_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

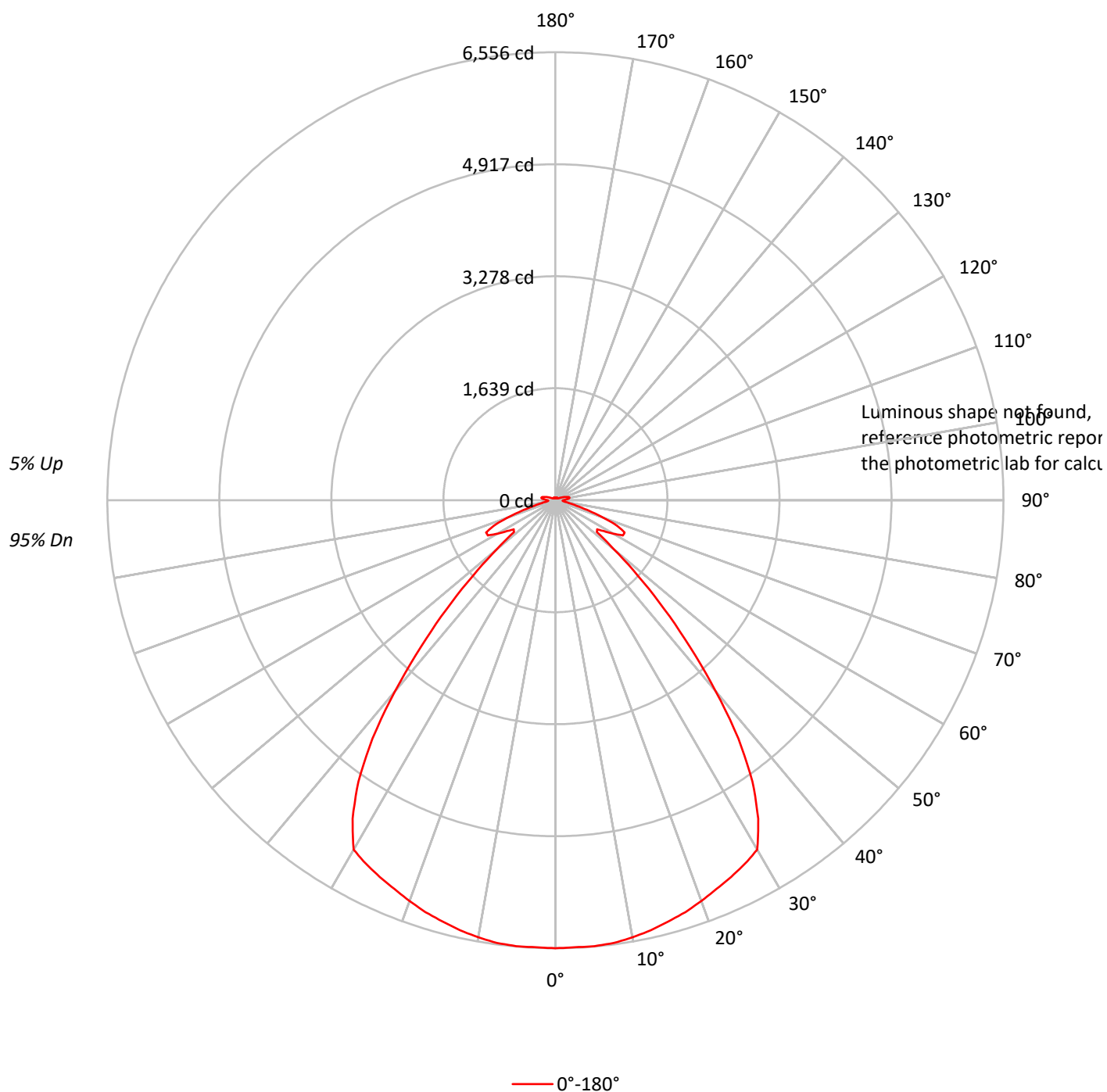
Lumens per Lamp: N/A
Luminaire Lumens: 12966.4 lumens
Efficiency: N/A
Efficacy: 156.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.19
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

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





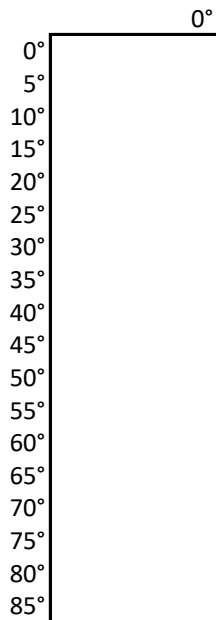
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95		
1	110	106	102	99	107	103	100	97	98	96	93	93	91	90	89	88	86	84		
2	102	95	89	84	99	93	87	83	88	84	81	85	81	78	81	78	76	74		
3	94	85	79	73	92	84	77	72	80	75	70	77	72	69	74	70	67	65		
4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60	58		
5	82	71	63	57	79	69	62	57	67	60	56	64	59	55	62	57	54	52		
6	76	65	57	51	74	63	56	51	61	55	50	59	54	49	57	52	49	47		
7	71	59	52	46	69	58	51	46	56	50	45	55	49	45	53	48	44	42		
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	49	44	40	39		
9	63	51	43	38	61	50	43	38	49	42	38	47	42	37	46	41	37	35		
10	59	47	40	35	58	47	40	35	45	39	35	44	38	34	43	38	34	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	623.5	4.8
10°-20°	1804.6	13.9
20°-30°	2808.9	21.7
30°-40°	3070.2	23.7
40°-50°	1751.0	13.5
50°-60°	761.0	5.9
60°-70°	1011.7	7.8
70°-80°	404.1	3.1
80°-90°	126.6	1.0
90°-100°	182.6	1.4
100°-110°	190.8	1.5
110°-120°	94.1	0.7
120°-130°	44.1	0.3
130°-140°	34.6	0.3
140°-150°	27.0	0.2
150°-160°	18.2	0.1
160°-170°	10.4	0.1
170°-180°	3.0	0.0
0°-30°	5237.0	40.4
0°-40°	8307.2	64.1
0°-60°	10819.2	83.4
0°-90°	12361.7	95.3
90°-120°	467.5	3.6
90°-150°	573.2	4.4
90°-180°	605.0	4.7
0°-180°	12966.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6556	
5°	6551	623
15°	6382	1805
25°	6081	2809
35°	5026	3070
45°	2252	1751
55°	744	761
65°	1119	1012
75°	340	404
85°	105	96
90°	115	65
95°	170	148
105°	184	191
115°	92	94
125°	47	44
135°	45	35
145°	43	27
155°	39	18
165°	36	10
175°	31	3
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6556.2
2.5°	6546.5
5°	6550.6
7.5°	6534.4
10°	6493.8
12.5°	6446.0
15°	6381.9
17.5°	6320.3
20°	6241.7
22.5°	6158.1
25°	6081.1
27.5°	6000.0
30°	5904.4
32.5°	5523.3
35°	5026.2
37.5°	4397.9
40°	3650.3
42.5°	2911.6
45°	2251.6
47.5°	1637.8
50°	1113.2
52.5°	764.6
55°	743.5
57.5°	839.2
60°	980.3
62.5°	1114.1
65°	1118.9
67.5°	981.9
70°	755.7
72.5°	517.3
75°	339.7
77.5°	224.6
80°	154.9
82.5°	119.2
85°	105.4
87.5°	104.6
90°	115.1
92.5°	139.5
95°	169.5
97.5°	197.8
100°	210.8
102.5°	204.3
105°	184.1
107.5°	158.9
110°	135.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	112.7
115°	91.6
117.5°	74.6
120°	61.6
122.5°	52.7
125°	47.0
127.5°	43.8
130°	43.0
132.5°	43.8
135°	44.6
137.5°	46.2
140°	45.4
142.5°	44.6
145°	43.0
147.5°	41.4
150°	39.7
152.5°	39.7
155°	38.9
157.5°	38.9
160°	38.9
162.5°	38.1
165°	36.5
167.5°	34.9
170°	32.4
172.5°	30.8
175°	30.8
177.5°	31.6
180°	31.6

(END OF REPORT)