

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: P1504816

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (4000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504816
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 (4000K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

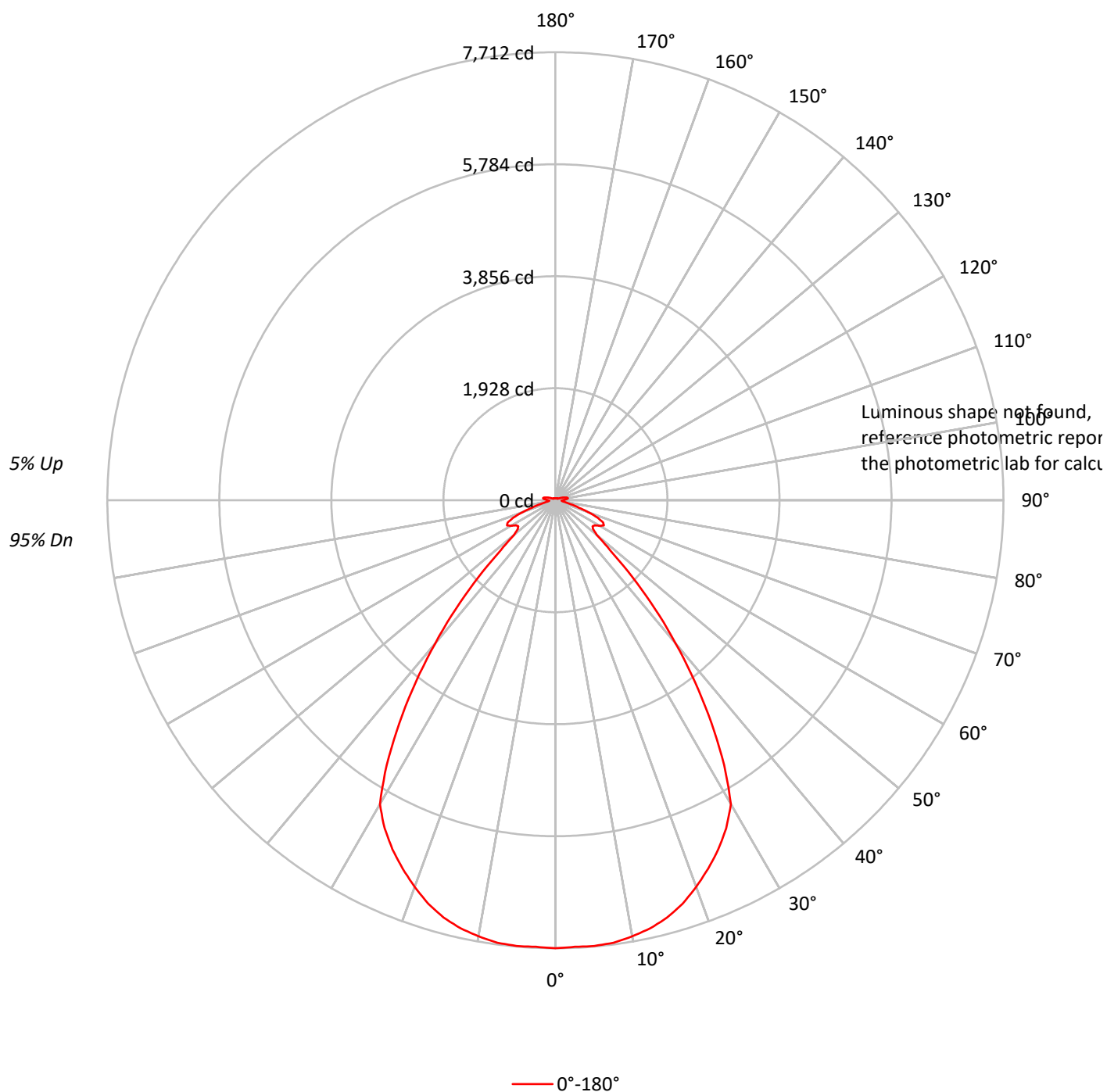
Lumens per Lamp: N/A
Luminaire Lumens: 12882.0 lumens
Efficiency: N/A
Efficacy: 159.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.09
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 80.7
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



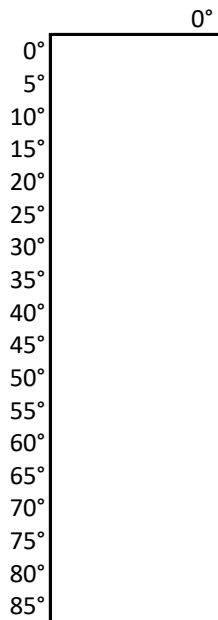
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	732.7	5.7
10°-20°	2091.3	16.2
20°-30°	3044.0	23.6
30°-40°	2896.7	22.5
40°-50°	1476.1	11.5
50°-60°	740.3	5.7
60°-70°	833.8	6.5
70°-80°	336.6	2.6
80°-90°	126.0	1.0
90°-100°	194.0	1.5
100°-110°	191.6	1.5
110°-120°	91.2	0.7
120°-130°	41.4	0.3
130°-140°	31.7	0.2
140°-150°	24.8	0.2
150°-160°	17.0	0.1
160°-170°	9.9	0.1
170°-180°	2.8	0.0
0°-30°	5868.1	45.6
0°-40°	8764.7	68.0
0°-60°	10981.1	85.2
0°-90°	12277.5	95.3
90°-120°	476.9	3.7
90°-150°	574.8	4.5
90°-180°	605.0	4.7
0°-180°	12882.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7712	
5°	7702	733
15°	7436	2091
25°	6633	3044
35°	4680	2897
45°	1870	1476
55°	780	740
65°	906	834
75°	286	337
85°	106	94
90°	123	69
95°	182	157
105°	184	192
115°	89	91
125°	44	41
135°	41	32
145°	40	25
155°	36	17
165°	36	10
175°	29	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7711.6
2.5°	7693.9
5°	7701.5
7.5°	7682.1
10°	7622.1
12.5°	7546.9
15°	7436.2
17.5°	7283.3
20°	7083.9
22.5°	6864.3
25°	6632.8
27.5°	6366.7
30°	6039.7
32.5°	5406.9
35°	4679.5
37.5°	3950.4
40°	3220.5
42.5°	2533.7
45°	1870.5
47.5°	1274.0
50°	931.0
52.5°	816.1
55°	779.8
57.5°	802.6
60°	876.9
62.5°	941.1
65°	905.7
67.5°	779.8
70°	604.1
72.5°	424.1
75°	285.6
77.5°	196.8
80°	141.9
82.5°	114.9
85°	105.6
87.5°	109.0
90°	123.3
92.5°	150.4
95°	182.5
97.5°	208.7
100°	217.1
102.5°	206.1
105°	184.2
107.5°	158.0
110°	132.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	109.8
115°	88.7
117.5°	71.8
120°	58.3
122.5°	49.8
125°	43.9
127.5°	41.4
130°	39.7
132.5°	40.6
135°	41.4
137.5°	41.4
140°	41.4
142.5°	40.6
145°	39.7
147.5°	38.0
150°	37.2
152.5°	37.2
155°	36.3
157.5°	36.3
160°	37.2
162.5°	36.3
165°	35.5
167.5°	32.9
170°	30.4
172.5°	28.7
175°	28.7
177.5°	28.7
180°	29.6

(END OF REPORT)