

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: P1504817

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (4000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504817
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-55)
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_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

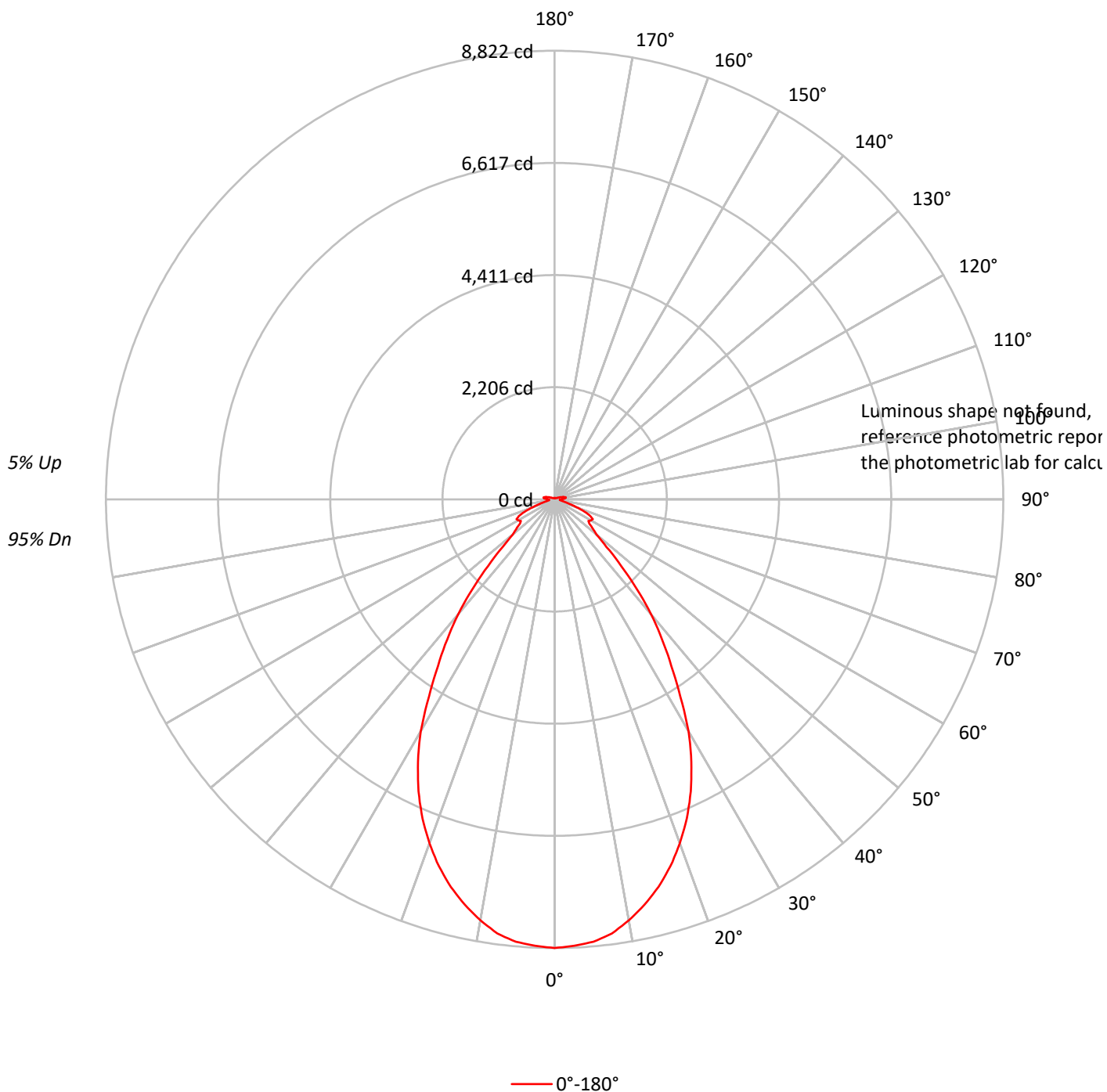
Lumens per Lamp: N/A
Luminaire Lumens: 12390.4 lumens
Efficiency: N/A
Efficacy: 153.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

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



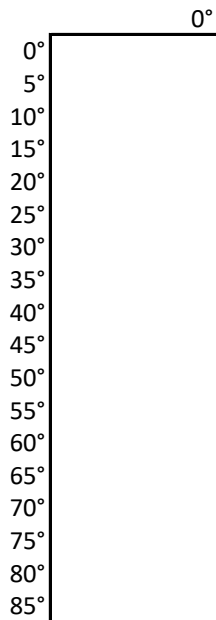
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	108	108	108	103	103	103	98	98	98	95		
1	110	107	103	100	107	104	101	98	99	96	94	94	92	91	90	89	87	85		
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68		
4	89	80	73	68	87	78	72	67	75	70	65	73	68	64	70	66	63	61		
5	84	73	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	55		
6	78	68	60	55	76	66	60	55	64	58	54	62	57	53	60	56	52	50		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	50	46	56	50	45	54	49	45	53	48	44	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	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°	823.2	6.6
10°-20°	2209.2	17.8
20°-30°	2887.0	23.3
30°-40°	2512.5	20.3
40°-50°	1459.5	11.8
50°-60°	786.6	6.3
60°-70°	721.9	5.8
70°-80°	271.1	2.2
80°-90°	122.9	1.0
90°-100°	204.1	1.6
100°-110°	189.9	1.5
110°-120°	87.0	0.7
120°-130°	38.1	0.3
130°-140°	28.4	0.2
140°-150°	22.2	0.2
150°-160°	15.3	0.1
160°-170°	9.0	0.1
170°-180°	2.5	0.0
0°-30°	5919.5	47.8
0°-40°	8432.0	68.1
0°-60°	10678.1	86.2
0°-90°	11794.1	95.2
90°-120°	480.9	3.9
90°-150°	569.5	4.6
90°-180°	596.0	4.8
0°-180°	12390.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8822	
5°	8732	823
15°	7888	2209
25°	6333	2887
35°	4000	2513
45°	1852	1460
55°	830	787
65°	777	722
75°	230	271
85°	104	89
90°	132	74
95°	194	164
105°	181	190
115°	84	87
125°	41	38
135°	36	28
145°	36	22
155°	33	15
165°	32	9
175°	25	2
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8821.7
2.5°	8784.6
5°	8732.2
7.5°	8609.7
10°	8405.2
12.5°	8164.5
15°	7888.2
17.5°	7566.3
20°	7196.3
22.5°	6791.6
25°	6332.9
27.5°	5819.2
30°	5266.7
32.5°	4599.3
35°	4000.3
37.5°	3470.6
40°	2947.6
42.5°	2396.8
45°	1851.9
47.5°	1383.0
50°	1077.2
52.5°	948.7
55°	830.5
57.5°	788.2
60°	823.7
62.5°	845.7
65°	777.2
67.5°	642.9
70°	481.6
72.5°	334.6
75°	229.8
77.5°	163.1
80°	124.2
82.5°	106.4
85°	103.9
87.5°	112.4
90°	131.8
92.5°	161.4
95°	193.5
97.5°	217.1
100°	221.3
102.5°	207.0
105°	180.8
107.5°	153.8
110°	128.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	104.8
115°	84.5
117.5°	67.6
120°	54.9
122.5°	45.6
125°	40.6
127.5°	37.2
130°	36.3
132.5°	36.3
135°	36.3
137.5°	37.2
140°	37.2
142.5°	36.3
145°	35.5
147.5°	33.8
150°	33.8
152.5°	32.9
155°	32.9
157.5°	32.9
160°	33.8
162.5°	32.9
165°	32.1
167.5°	29.6
170°	27.0
172.5°	25.3
175°	25.3
177.5°	26.2
180°	26.2

(END OF REPORT)