

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: P1504880

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504880
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-61)
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 (6500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

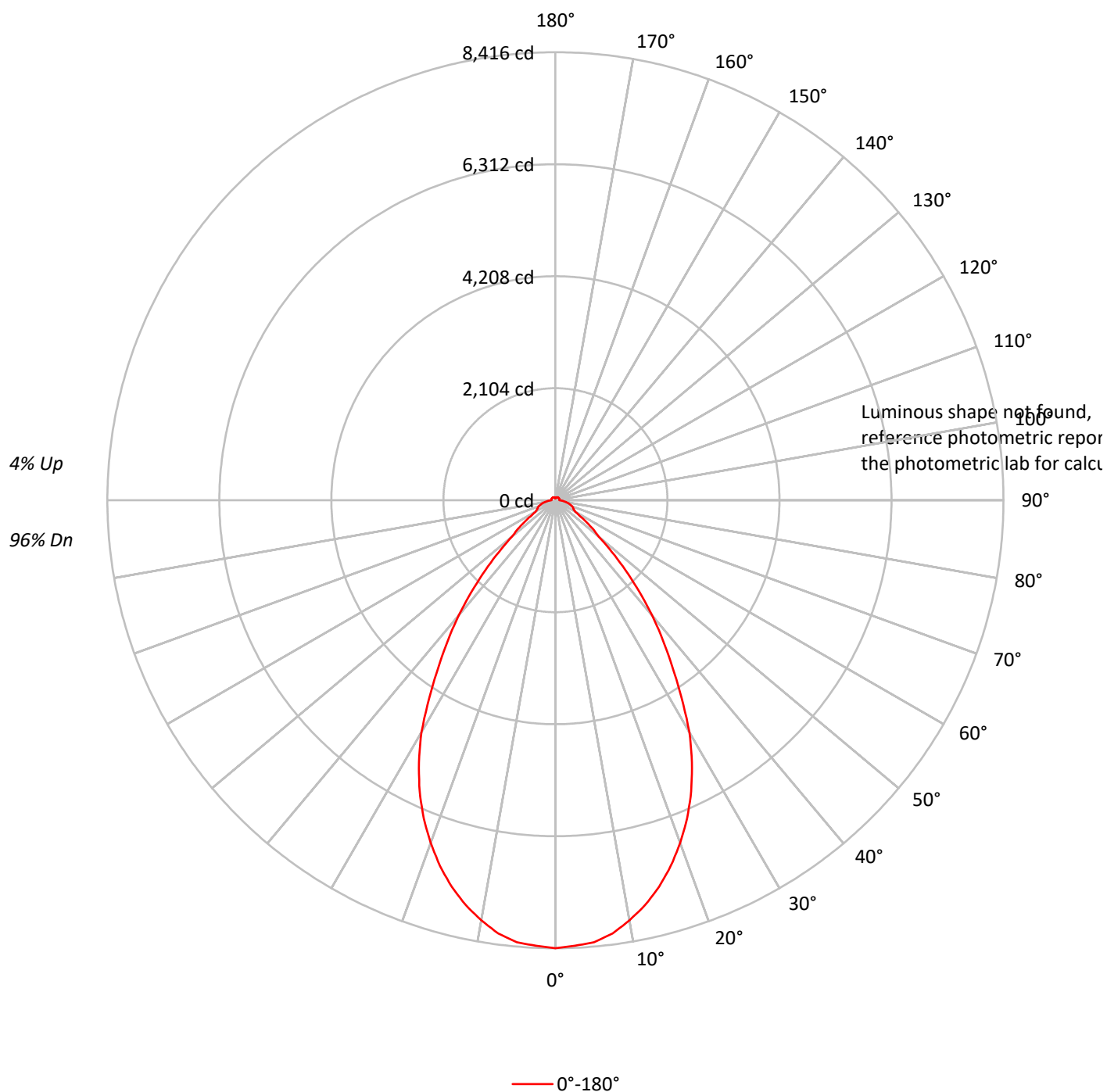
Lumens per Lamp: N/A
Luminaire Lumens: 11370.7 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 83
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





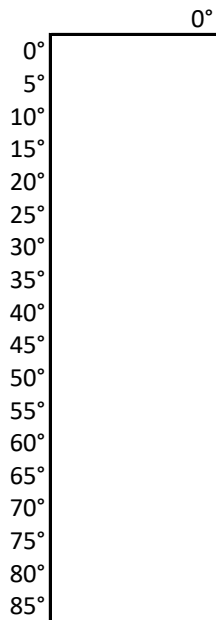
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	96		
1	111	107	104	101	108	104	101	99	99	97	95	95	93	91	91	89	88	86		
2	103	97	92	88	101	95	90	86	91	87	84	87	84	81	84	81	79	77		
3	97	89	82	77	94	87	81	76	83	79	75	80	76	73	78	74	71	69		
4	90	81	74	69	88	80	73	68	77	71	67	74	70	66	72	68	65	63		
5	85	75	67	62	83	73	67	62	71	65	61	69	64	60	67	62	59	57		
6	80	69	62	57	78	68	61	56	66	60	55	64	59	55	62	58	54	52		
7	75	64	57	52	73	63	56	51	61	55	51	60	54	50	58	53	50	48		
8	71	59	52	47	69	59	52	47	57	51	47	56	50	46	54	49	46	44		
9	67	55	49	44	65	55	48	44	53	47	43	52	47	43	51	46	43	41		
10	63	52	45	41	62	51	45	41	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	785.2	6.9
10°-20°	2105.1	18.5
20°-30°	2751.4	24.2
30°-40°	2404.1	21.1
40°-50°	1447.3	12.7
50°-60°	632.6	5.6
60°-70°	371.4	3.3
70°-80°	285.8	2.5
80°-90°	147.0	1.3
90°-100°	79.9	0.7
100°-110°	79.8	0.7
110°-120°	74.9	0.7
120°-130°	65.7	0.6
130°-140°	54.0	0.5
140°-150°	41.1	0.4
150°-160°	27.6	0.2
160°-170°	14.1	0.1
170°-180°	3.8	0.0
0°-30°	5641.7	49.6
0°-40°	8045.7	70.8
0°-60°	10125.7	89.1
0°-90°	10929.9	96.1
90°-120°	234.5	2.1
90°-150°	395.3	3.5
90°-180°	441.0	3.9
0°-180°	11370.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8416	
5°	8335	785
15°	7518	2105
25°	6034	2751
35°	3827	2404
45°	1856	1447
55°	691	633
65°	370	371
75°	273	286
85°	133	123
90°	73	44
95°	73	60
105°	76	80
115°	76	75
125°	73	66
135°	70	54
145°	65	41
155°	59	28
165°	49	14
175°	39	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8416.1
2.5°	8377.0
5°	8334.7
7.5°	8209.4
10°	8013.3
12.5°	7788.8
15°	7517.8
17.5°	7203.8
20°	6849.9
22.5°	6463.4
25°	6033.8
27.5°	5553.0
30°	5030.6
32.5°	4409.0
35°	3827.3
37.5°	3315.5
40°	2824.1
42.5°	2333.5
45°	1855.9
47.5°	1440.1
50°	1061.0
52.5°	883.6
55°	690.8
57.5°	525.6
60°	431.2
62.5°	392.2
65°	370.2
67.5°	354.7
70°	332.8
72.5°	305.1
75°	272.6
77.5°	237.6
80°	201.8
82.5°	167.6
85°	133.4
87.5°	100.9
90°	73.2
92.5°	71.6
95°	73.2
97.5°	74.0
100°	74.9
102.5°	74.9
105°	75.7
107.5°	75.7
110°	75.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	75.7
115°	75.7
117.5°	74.9
120°	74.9
122.5°	74.0
125°	73.2
127.5°	72.4
130°	71.6
132.5°	70.8
135°	70.0
137.5°	68.3
140°	67.5
142.5°	66.7
145°	65.1
147.5°	64.3
150°	63.5
152.5°	61.8
155°	59.4
157.5°	57.0
160°	54.5
162.5°	52.1
165°	48.8
167.5°	46.4
170°	43.1
172.5°	39.9
175°	39.1
177.5°	39.1
180°	39.1

(END OF REPORT)