

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: P1504827

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (5000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504827
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 (5000K_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

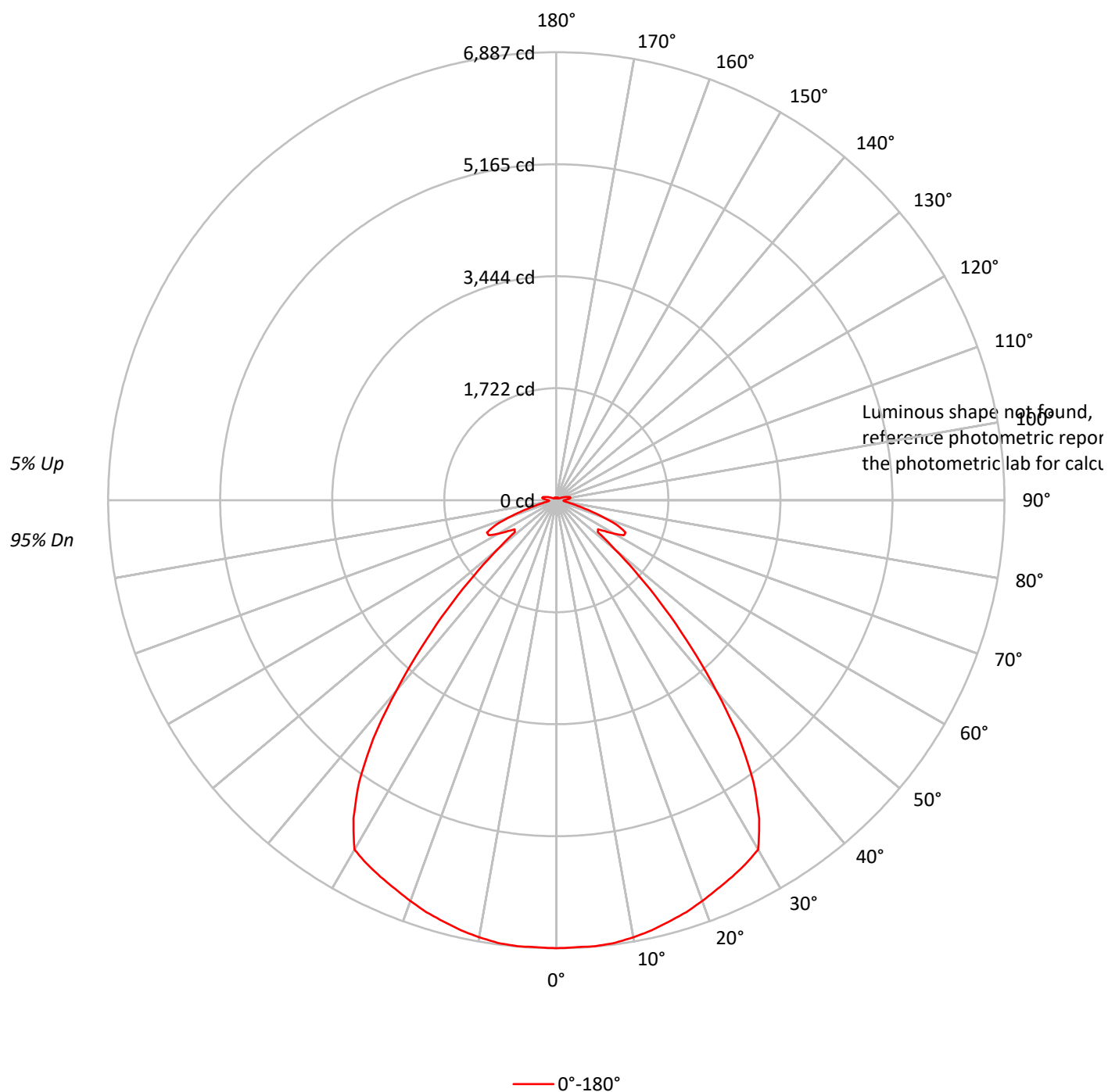
Lumens per Lamp: N/A
Luminaire Lumens: 13620.0 lumens
Efficiency: N/A
Efficacy: 167.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.19
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 81.1
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°	654.9	4.8
10°-20°	1895.6	13.9
20°-30°	2950.5	21.7
30°-40°	3225.0	23.7
40°-50°	1839.3	13.5
50°-60°	799.4	5.9
60°-70°	1062.7	7.8
70°-80°	424.5	3.1
80°-90°	132.9	1.0
90°-100°	191.7	1.4
100°-110°	200.4	1.5
110°-120°	98.9	0.7
120°-130°	46.3	0.3
130°-140°	36.3	0.3
140°-150°	28.3	0.2
150°-160°	19.1	0.1
160°-170°	10.9	0.1
170°-180°	3.1	0.0
0°-30°	5501.0	40.4
0°-40°	8726.0	64.1
0°-60°	11364.6	83.4
0°-90°	12984.8	95.3
90°-120°	491.0	3.6
90°-150°	602.0	4.4
90°-180°	635.0	4.7
0°-180°	13620.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6887	
5°	6881	655
15°	6704	1896
25°	6388	2950
35°	5280	3225
45°	2365	1839
55°	781	799
65°	1175	1063
75°	357	425
85°	111	101
90°	121	68
95°	178	155
105°	193	200
115°	96	99
125°	49	46
135°	47	36
145°	45	28
155°	41	19
165°	38	11
175°	32	3
180°	33	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6886.8
2.5°	6876.5
5°	6880.8
7.5°	6863.8
10°	6821.2
12.5°	6770.9
15°	6703.6
17.5°	6638.9
20°	6556.3
22.5°	6468.6
25°	6387.7
27.5°	6302.5
30°	6202.0
32.5°	5801.7
35°	5279.6
37.5°	4619.6
40°	3834.3
42.5°	3058.4
45°	2365.1
47.5°	1720.4
50°	1169.4
52.5°	803.1
55°	781.0
57.5°	881.5
60°	1029.7
62.5°	1170.2
65°	1175.3
67.5°	1031.4
70°	793.8
72.5°	543.4
75°	356.9
77.5°	235.9
80°	162.7
82.5°	125.2
85°	110.7
87.5°	109.9
90°	120.9
92.5°	146.5
95°	178.0
97.5°	207.8
100°	221.4
102.5°	214.6
105°	193.3
107.5°	166.9
110°	142.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	118.4
115°	96.2
117.5°	78.4
120°	64.7
122.5°	55.4
125°	49.4
127.5°	46.0
130°	45.1
132.5°	46.0
135°	46.8
137.5°	48.5
140°	47.7
142.5°	46.8
145°	45.1
147.5°	43.4
150°	41.7
152.5°	41.7
155°	40.9
157.5°	40.9
160°	40.9
162.5°	40.0
165°	38.3
167.5°	36.6
170°	34.1
172.5°	32.4
175°	32.4
177.5°	33.2
180°	33.2

(END OF REPORT)