

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: P1504510

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504510
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-50)
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-A-06-TRWH-PS (5000K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

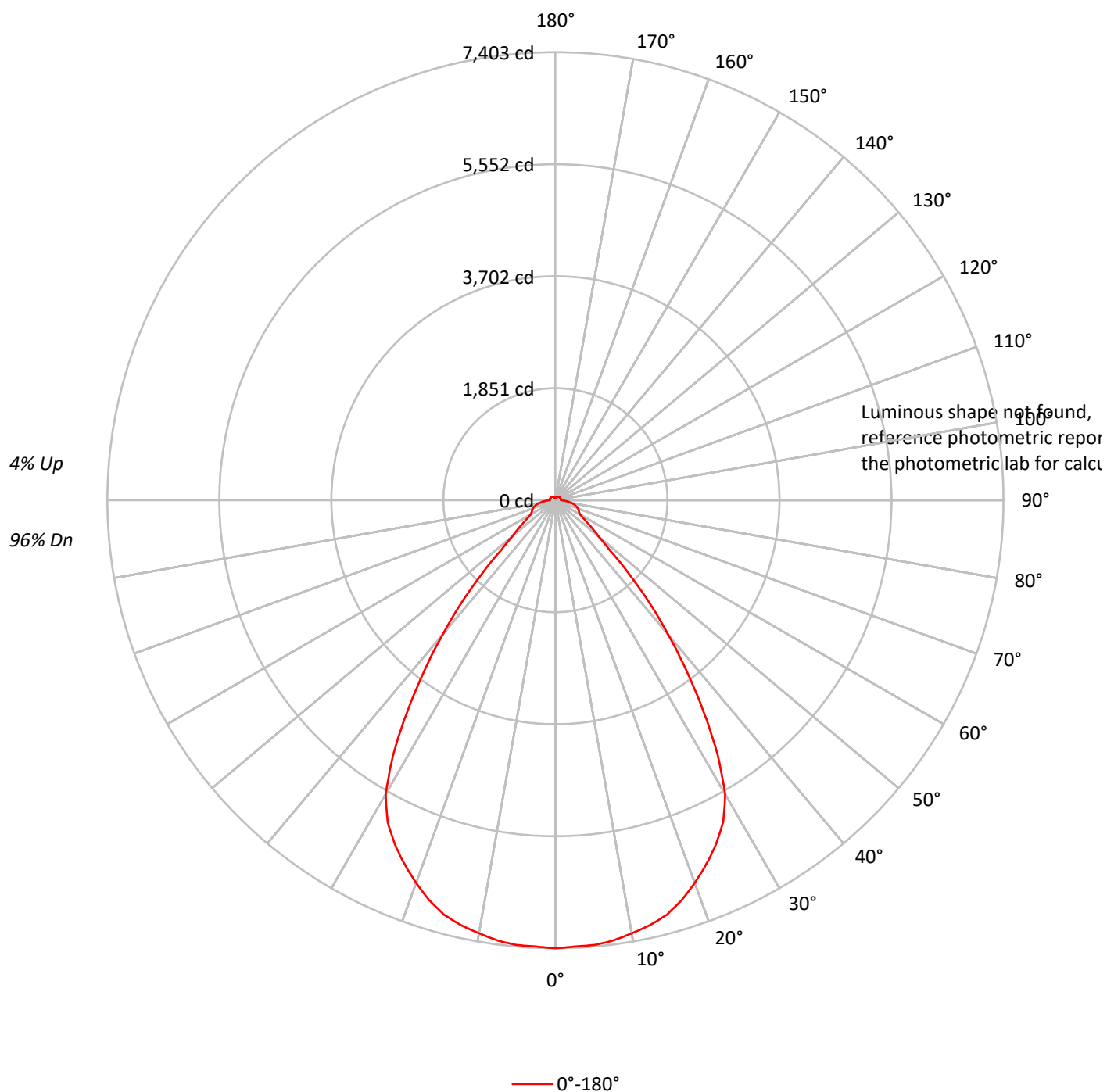
Lumens per Lamp: N/A
Luminaire Lumens: 11656.8 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	98	98			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	87	87	87	87	85			
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78	78	78	78	78	76			
3	96	88	81	76	93	86	80	75	82	77	73	79	75	72	76	73	70	70	70	70	70	68			
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	63	63	63	63	61			
5	84	74	66	61	82	72	66	60	70	64	59	68	63	59	65	61	58	58	58	58	58	56			
6	79	68	61	55	77	67	60	55	65	59	54	63	57	53	61	56	53	53	53	53	53	51			
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	48	48	48	48	47			
8	70	58	51	46	68	57	51	46	56	50	45	54	49	45	53	48	45	45	45	45	45	43			
9	66	54	47	43	64	54	47	42	52	46	42	51	45	42	50	45	41	41	41	41	41	40			
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	38	38	38	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°	700.6	6.0
10°-20°	1991.8	17.1
20°-30°	2873.0	24.6
30°-40°	2649.0	22.7
40°-50°	1357.7	11.6
50°-60°	589.4	5.1
60°-70°	426.5	3.7
70°-80°	359.9	3.1
80°-90°	197.8	1.7
90°-100°	98.7	0.8
100°-110°	96.3	0.8
110°-120°	88.1	0.8
120°-130°	75.7	0.6
130°-140°	61.1	0.5
140°-150°	45.6	0.4
150°-160°	28.9	0.2
160°-170°	13.5	0.1
170°-180°	3.3	0.0
0°-30°	5565.4	47.7
0°-40°	8214.4	70.5
0°-60°	10161.5	87.2
0°-90°	11145.7	95.6
90°-120°	283.1	2.4
90°-150°	465.4	4.0
90°-180°	511.0	4.4
0°-180°	11656.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7403	
5°	7377	701
15°	7093	1992
25°	6276	2873
35°	4273	2649
45°	1703	1358
55°	641	589
65°	428	427
75°	344	360
85°	182	167
90°	91	56
95°	90	74
105°	91	96
115°	89	88
125°	85	76
135°	79	61
145°	72	46
155°	62	29
165°	46	14
175°	32	3
180°	31	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7403.0
2.5°	7381.1
5°	7377.0
7.5°	7338.0
10°	7264.7
12.5°	7194.8
15°	7093.1
17.5°	6930.4
20°	6728.7
22.5°	6511.5
25°	6275.6
27.5°	5999.0
30°	5607.8
32.5°	4989.6
35°	4272.9
37.5°	3566.9
40°	2899.1
42.5°	2289.0
45°	1703.3
47.5°	1216.1
50°	932.2
52.5°	772.8
55°	641.0
57.5°	532.0
60°	467.7
62.5°	444.1
65°	427.9
67.5°	415.7
70°	397.8
72.5°	374.2
75°	344.1
77.5°	309.9
80°	270.9
82.5°	228.6
85°	182.2
87.5°	134.2
90°	91.1
92.5°	89.5
95°	90.3
97.5°	91.1
100°	91.1
102.5°	91.1
105°	91.1
107.5°	91.1
110°	90.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	89.5
115°	88.7
117.5°	87.9
120°	87.0
122.5°	85.4
125°	84.6
127.5°	83.0
130°	81.3
132.5°	80.5
135°	78.9
137.5°	77.3
140°	75.6
142.5°	74.0
145°	72.4
147.5°	70.8
150°	69.1
152.5°	65.9
155°	61.8
157.5°	58.6
160°	55.3
162.5°	51.2
165°	46.4
167.5°	43.1
170°	39.0
172.5°	35.0
175°	32.5
177.5°	30.9
180°	30.9

(END OF REPORT)