

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: P1504519

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (6500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504519
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 (6500K_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

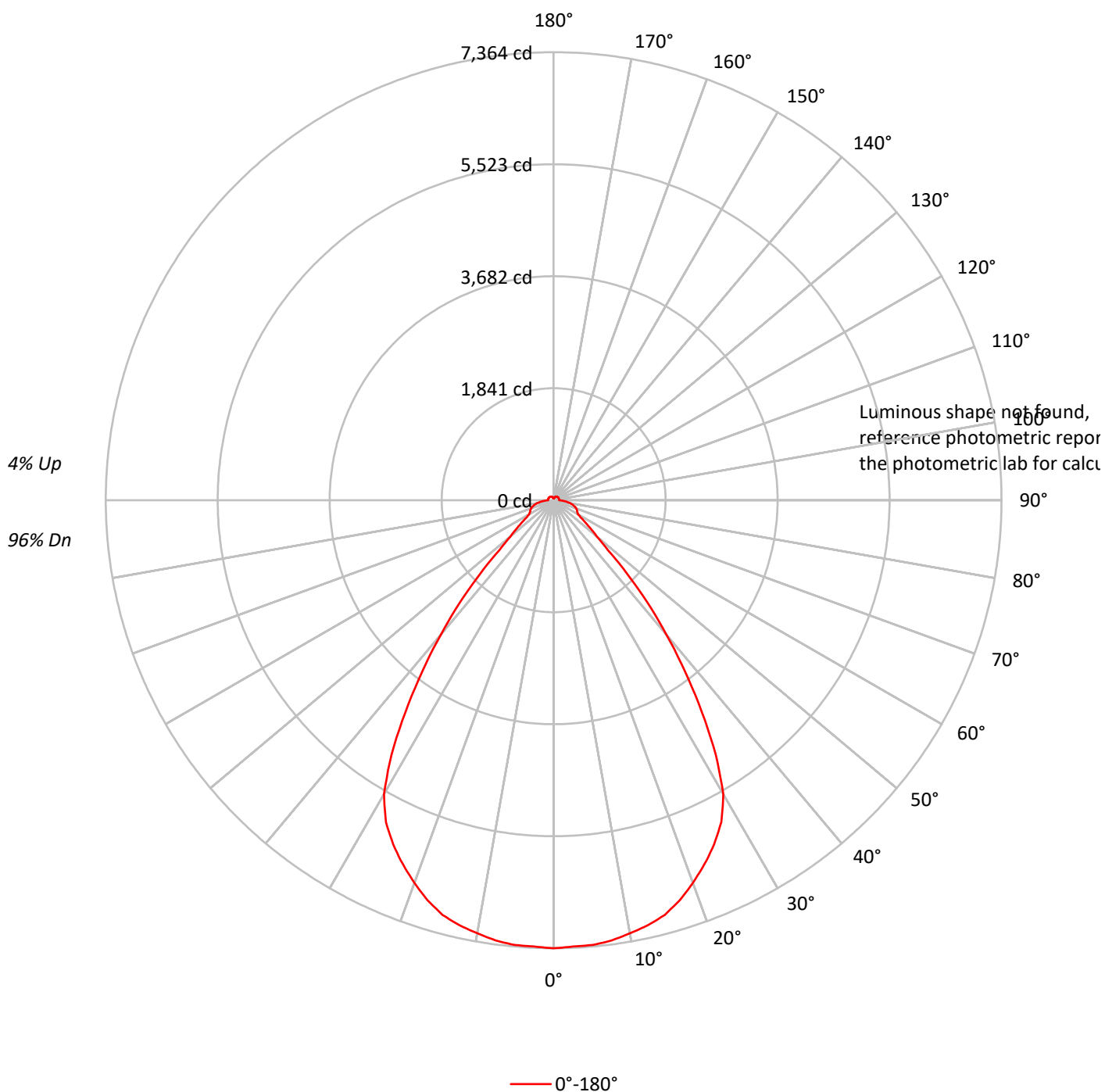
Lumens per Lamp: N/A
Luminaire Lumens: 11595.4 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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	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°	696.9	6.0
10°-20°	1981.3	17.1
20°-30°	2857.9	24.6
30°-40°	2635.1	22.7
40°-50°	1350.6	11.6
50°-60°	586.3	5.1
60°-70°	424.3	3.7
70°-80°	358.0	3.1
80°-90°	196.7	1.7
90°-100°	98.2	0.8
100°-110°	95.7	0.8
110°-120°	87.6	0.8
120°-130°	75.3	0.6
130°-140°	60.8	0.5
140°-150°	45.3	0.4
150°-160°	28.8	0.2
160°-170°	13.5	0.1
170°-180°	3.3	0.0
0°-30°	5536.1	47.7
0°-40°	8171.2	70.5
0°-60°	10108.0	87.2
0°-90°	11087.0	95.6
90°-120°	281.5	2.4
90°-150°	462.9	4.0
90°-180°	508.0	4.4
0°-180°	11595.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7364	
5°	7338	697
15°	7056	1981
25°	6243	2858
35°	4250	2635
45°	1694	1351
55°	638	586
65°	426	424
75°	342	358
85°	181	166
90°	91	55
95°	90	74
105°	91	96
115°	88	88
125°	84	75
135°	78	61
145°	72	45
155°	62	29
165°	46	13
175°	32	3
180°	31	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7364.1
2.5°	7342.2
5°	7338.2
7.5°	7299.3
10°	7226.5
12.5°	7156.9
15°	7055.8
17.5°	6894.0
20°	6693.3
22.5°	6477.2
25°	6242.6
27.5°	5967.5
30°	5578.3
32.5°	4963.3
35°	4250.5
37.5°	3548.1
40°	2883.8
42.5°	2276.9
45°	1694.4
47.5°	1209.7
50°	927.3
52.5°	768.7
55°	637.6
57.5°	529.2
60°	465.3
62.5°	441.8
65°	425.6
67.5°	413.5
70°	395.7
72.5°	372.2
75°	342.3
77.5°	308.3
80°	269.4
82.5°	227.4
85°	181.2
87.5°	133.5
90°	90.6
92.5°	89.0
95°	89.8
97.5°	90.6
100°	90.6
102.5°	90.6
105°	90.6
107.5°	90.6
110°	89.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	89.0
115°	88.2
117.5°	87.4
120°	86.6
122.5°	85.0
125°	84.2
127.5°	82.5
130°	80.9
132.5°	80.1
135°	78.5
137.5°	76.9
140°	75.3
142.5°	73.6
145°	72.0
147.5°	70.4
150°	68.8
152.5°	65.5
155°	61.5
157.5°	58.3
160°	55.0
162.5°	51.0
165°	46.1
167.5°	42.9
170°	38.8
172.5°	34.8
175°	32.4
177.5°	30.7
180°	30.7

(END OF REPORT)