

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: P1504501

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (4000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504501
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 (4000K_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

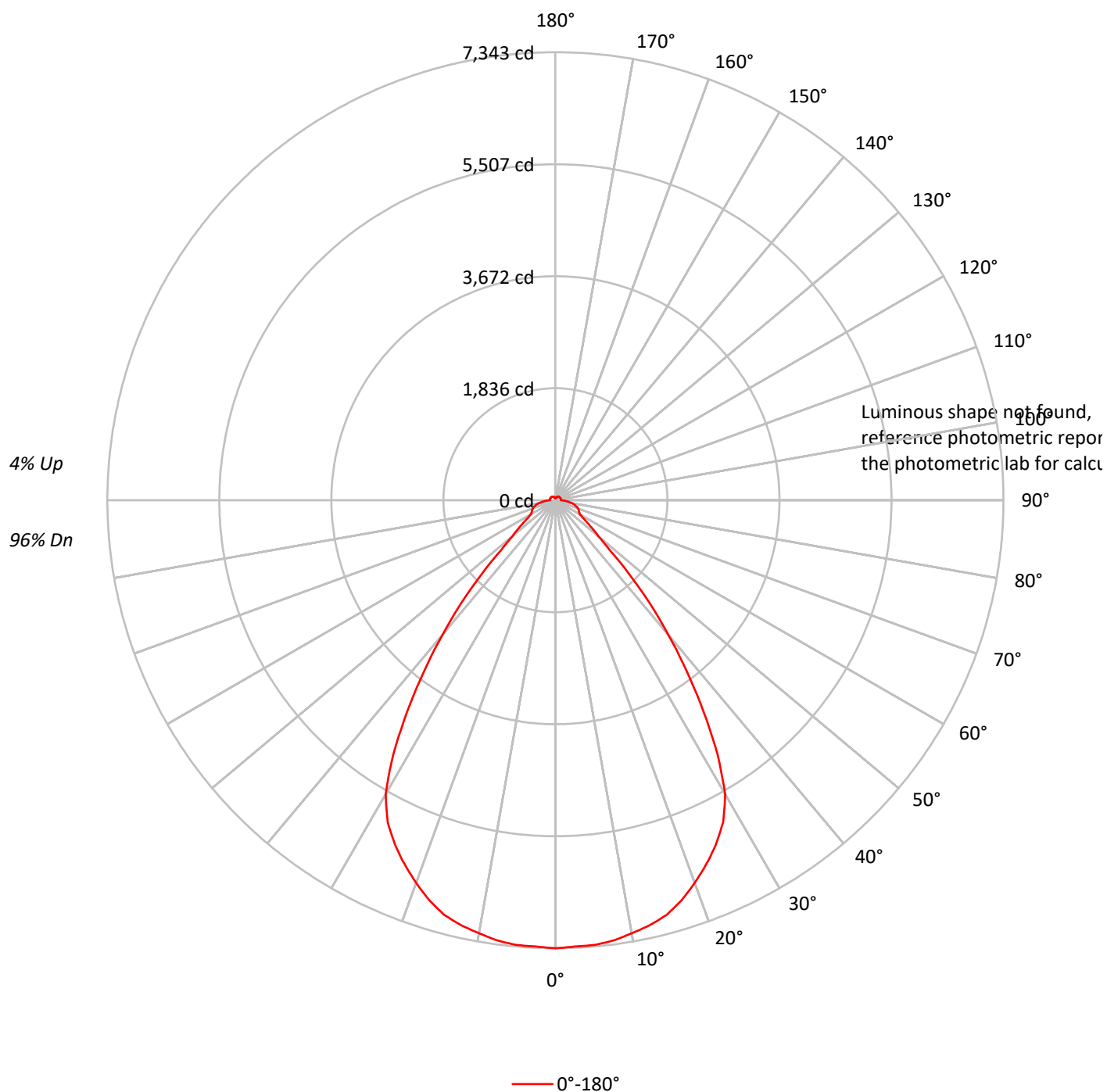
Lumens per Lamp: N/A
Luminaire Lumens: 11563.0 lumens
Efficiency: N/A
Efficacy: 143.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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





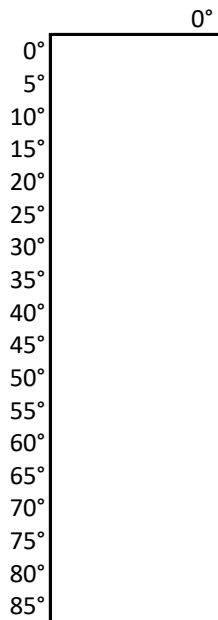
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	694.9	6.0
10°-20°	1975.8	17.1
20°-30°	2849.9	24.6
30°-40°	2627.7	22.7
40°-50°	1346.8	11.6
50°-60°	584.6	5.1
60°-70°	423.1	3.7
70°-80°	357.0	3.1
80°-90°	196.2	1.7
90°-100°	98.0	0.8
100°-110°	95.5	0.8
110°-120°	87.3	0.8
120°-130°	75.0	0.6
130°-140°	60.6	0.5
140°-150°	45.2	0.4
150°-160°	28.7	0.2
160°-170°	13.4	0.1
170°-180°	3.3	0.0
0°-30°	5520.6	47.7
0°-40°	8148.3	70.5
0°-60°	10079.7	87.2
0°-90°	11055.9	95.6
90°-120°	280.8	2.4
90°-150°	461.7	4.0
90°-180°	507.0	4.4
0°-180°	11563.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7343	
5°	7318	695
15°	7036	1976
25°	6225	2850
35°	4238	2628
45°	1690	1347
55°	636	585
65°	424	423
75°	341	357
85°	181	166
90°	90	55
95°	90	73
105°	90	96
115°	88	87
125°	84	75
135°	78	61
145°	72	45
155°	61	29
165°	46	13
175°	32	3
180°	31	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7343.4
2.5°	7321.6
5°	7317.6
7.5°	7278.9
10°	7206.3
12.5°	7136.9
15°	7036.0
17.5°	6874.6
20°	6674.5
22.5°	6459.1
25°	6225.1
27.5°	5950.8
30°	5562.6
32.5°	4949.4
35°	4238.5
37.5°	3538.2
40°	2875.7
42.5°	2270.6
45°	1689.6
47.5°	1206.3
50°	924.7
52.5°	766.5
55°	635.8
57.5°	527.7
60°	464.0
62.5°	440.6
65°	424.4
67.5°	412.3
70°	394.6
72.5°	371.2
75°	341.3
77.5°	307.4
80°	268.7
82.5°	226.7
85°	180.7
87.5°	133.1
90°	90.4
92.5°	88.8
95°	89.6
97.5°	90.4
100°	90.4
102.5°	90.4
105°	90.4
107.5°	90.4
110°	89.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	88.8
115°	88.0
117.5°	87.1
120°	86.3
122.5°	84.7
125°	83.9
127.5°	82.3
130°	80.7
132.5°	79.9
135°	78.3
137.5°	76.7
140°	75.0
142.5°	73.4
145°	71.8
147.5°	70.2
150°	68.6
152.5°	65.4
155°	61.3
157.5°	58.1
160°	54.9
162.5°	50.8
165°	46.0
167.5°	42.8
170°	38.7
172.5°	34.7
175°	32.3
177.5°	30.7
180°	30.7

(END OF REPORT)