

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: P1504701

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504701
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-39)
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-04-TRWH-PS (6500K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

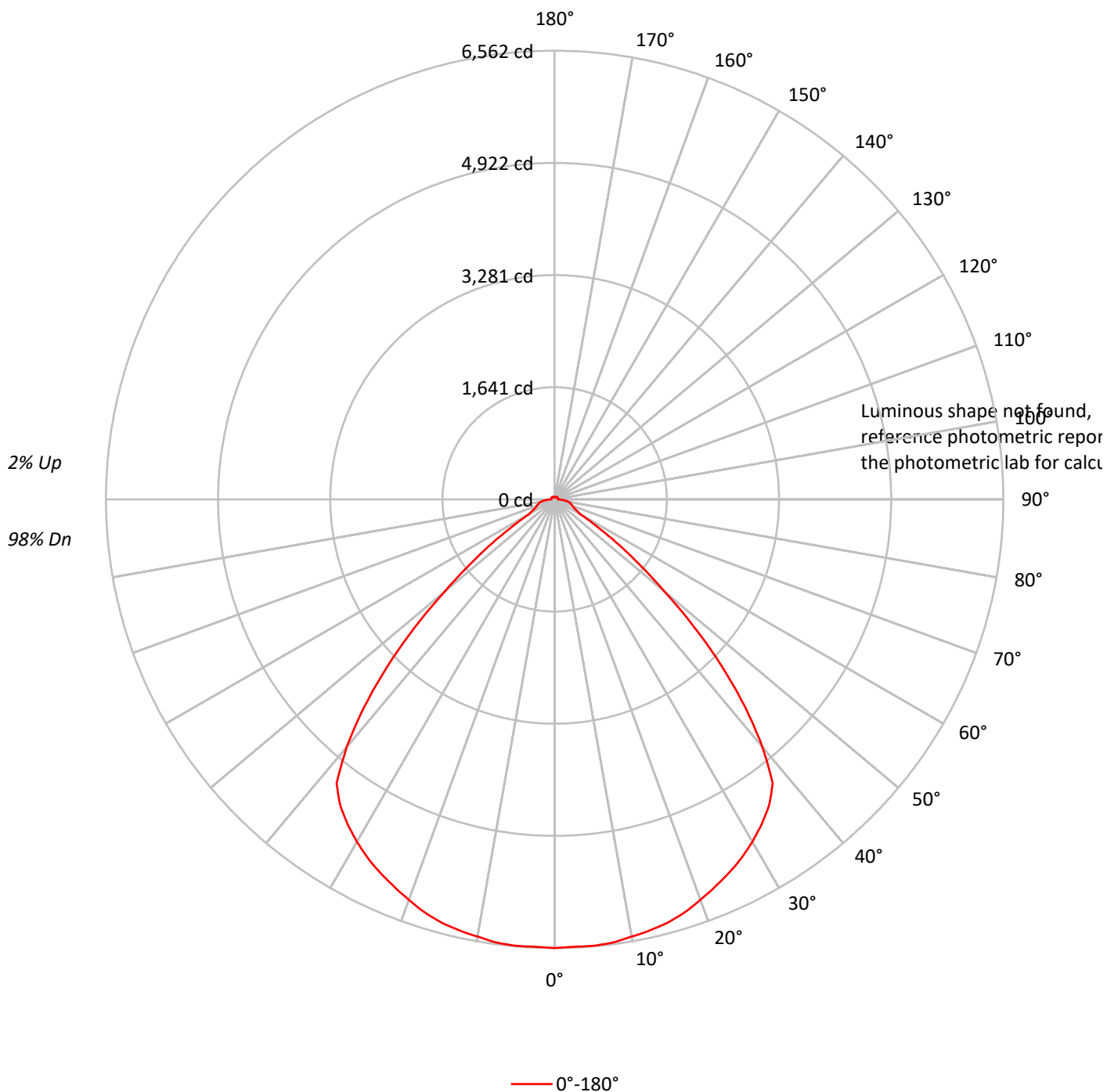
Lumens per Lamp: N/A
Luminaire Lumens: 13286.0 lumens
Efficiency: N/A
Efficacy: 160.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	107	104	101	108	105	102	99	100	98	95	96	94	92	92	91	89	87		
2	103	97	91	87	100	95	90	86	91	87	83	87	84	81	84	81	79	77		
3	96	87	81	76	93	86	80	75	83	77	73	80	75	72	77	73	70	68		
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63	61		
5	83	72	65	59	81	71	64	59	69	63	58	67	61	57	65	60	56	54		
6	77	66	58	53	75	65	58	52	63	57	52	61	56	51	60	55	51	49		
7	72	60	53	47	70	60	52	47	58	51	47	56	51	46	55	50	46	44		
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	46	42	40		
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	36		
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	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°	623.7	4.7
10°-20°	1807.8	13.6
20°-30°	2781.2	20.9
30°-40°	3379.7	25.4
40°-50°	2641.4	19.9
50°-60°	1024.2	7.7
60°-70°	333.8	2.5
70°-80°	256.9	1.9
80°-90°	143.1	1.1
90°-100°	52.8	0.4
100°-110°	52.8	0.4
110°-120°	49.5	0.4
120°-130°	43.8	0.3
130°-140°	36.3	0.3
140°-150°	28.2	0.2
150°-160°	18.8	0.1
160°-170°	9.5	0.1
170°-180°	2.6	0.0
0°-30°	5212.7	39.2
0°-40°	8592.4	64.7
0°-60°	12257.9	92.3
0°-90°	12991.7	97.8
90°-120°	155.1	1.2
90°-150°	263.4	2.0
90°-180°	294.0	2.2
0°-180°	13286.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6562	
5°	6554	624
15°	6408	1808
25°	6030	2781
35°	5465	3380
45°	3469	2641
55°	1097	1024
65°	328	334
75°	246	257
85°	135	124
90°	48	32
95°	48	40
105°	50	53
115°	50	50
125°	49	44
135°	47	36
145°	45	28
155°	41	19
165°	33	9
175°	26	3
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6562.5
2.5°	6548.9
5°	6554.0
7.5°	6537.9
10°	6493.0
12.5°	6456.6
15°	6408.3
17.5°	6332.9
20°	6233.7
22.5°	6132.1
25°	6029.6
27.5°	5916.9
30°	5782.2
32.5°	5633.1
35°	5465.3
37.5°	5238.3
40°	4730.8
42.5°	4128.4
45°	3469.3
47.5°	2772.9
50°	2103.6
52.5°	1557.2
55°	1097.1
57.5°	705.7
60°	438.0
62.5°	374.5
65°	327.9
67.5°	291.4
70°	272.8
72.5°	257.6
75°	245.7
77.5°	229.6
80°	205.9
82.5°	174.5
85°	134.7
87.5°	89.0
90°	48.3
92.5°	47.4
95°	48.3
97.5°	49.1
100°	49.1
102.5°	50.0
105°	50.0
107.5°	50.0
110°	50.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	50.0
115°	50.0
117.5°	50.0
120°	49.1
122.5°	49.1
125°	49.1
127.5°	48.3
130°	48.3
132.5°	47.4
135°	46.6
137.5°	46.6
140°	45.7
142.5°	45.7
145°	44.9
147.5°	44.1
150°	44.1
152.5°	42.4
155°	40.7
157.5°	38.1
160°	37.3
162.5°	34.7
165°	33.0
167.5°	31.3
170°	28.8
172.5°	27.1
175°	26.3
177.5°	26.3
180°	26.3

(END OF REPORT)