

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: P1504340

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (6500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504340
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-25)
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-04-TRWH-PS (6500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

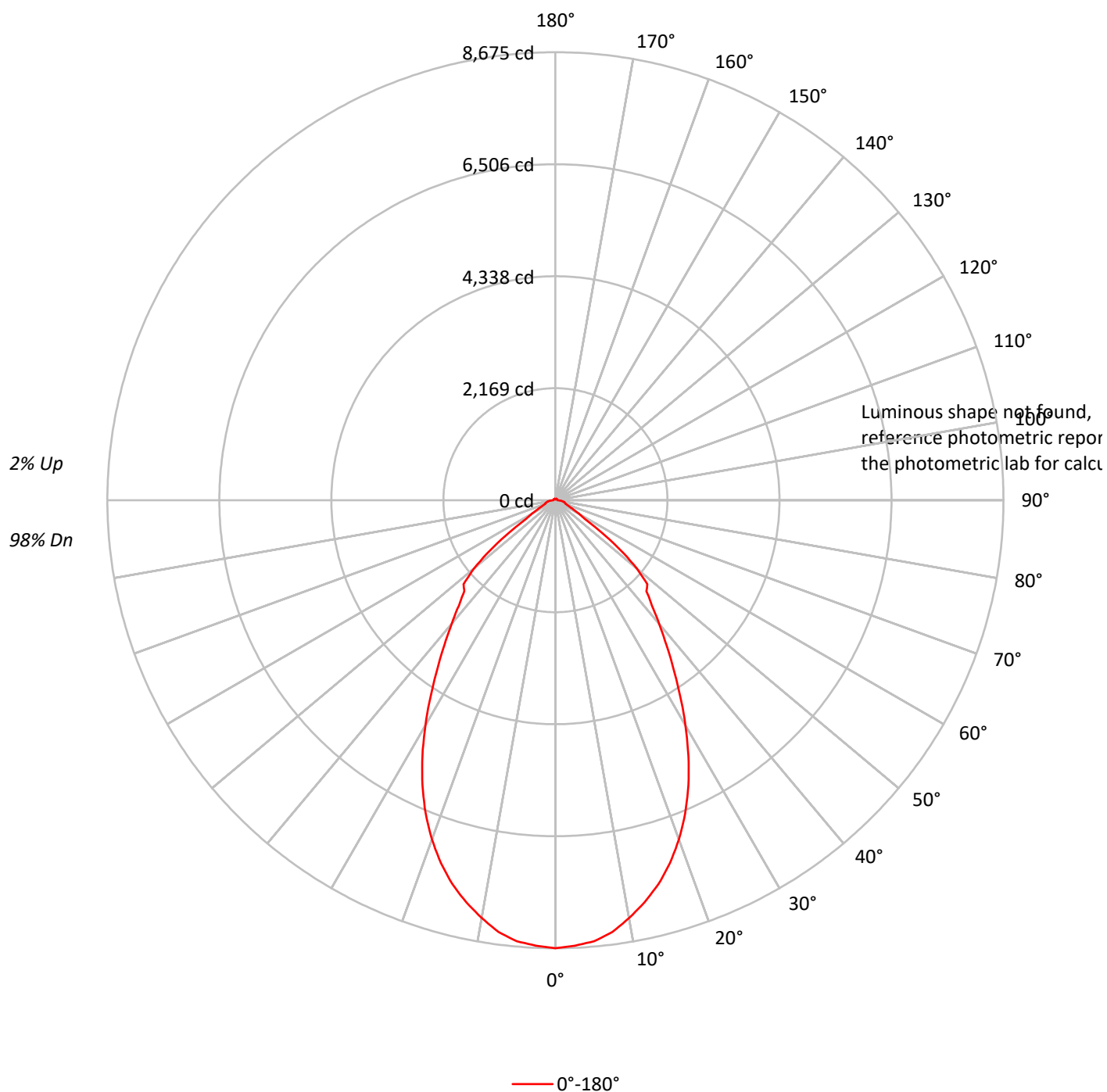
Lumens per Lamp: N/A
Luminaire Lumens: 12105.2 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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	108	104	102	108	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	93	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	83	78	95	87	81	77	84	79	75	81	77	74	79	75	72	71		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	73	69	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	63	59	57		
6	79	68	61	56	78	67	61	56	66	60	55	64	59	54	62	58	54	52		
7	74	63	56	51	73	62	55	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39	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°	806.8	6.7
10°-20°	2154.1	17.8
20°-30°	2778.8	23.0
30°-40°	2502.2	20.7
40°-50°	1977.0	16.3
50°-60°	1030.8	8.5
60°-70°	332.5	2.7
70°-80°	197.9	1.6
80°-90°	108.8	0.9
90°-100°	40.5	0.3
100°-110°	39.7	0.3
110°-120°	36.7	0.3
120°-130°	31.7	0.3
130°-140°	25.9	0.2
140°-150°	20.4	0.2
150°-160°	13.4	0.1
160°-170°	6.3	0.1
170°-180°	1.6	0.0
0°-30°	5739.8	47.4
0°-40°	8242.0	68.1
0°-60°	11249.8	92.9
0°-90°	11888.9	98.2
90°-120°	116.8	1.0
90°-150°	194.9	1.6
90°-180°	216.0	1.8
0°-180°	12105.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8675	
5°	8572	807
15°	7699	2154
25°	6091	2779
35°	3982	2502
45°	2493	1977
55°	1093	1031
65°	314	333
75°	188	198
85°	102	94
90°	37	25
95°	37	30
105°	38	40
115°	37	37
125°	36	32
135°	33	26
145°	32	20
155°	29	13
165°	22	6
175°	16	2
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8674.6
2.5°	8633.0
5°	8572.0
7.5°	8433.1
10°	8213.7
12.5°	7972.2
15°	7699.4
17.5°	7370.7
20°	6989.5
22.5°	6565.9
25°	6090.6
27.5°	5576.3
30°	5033.3
32.5°	4495.3
35°	3981.9
37.5°	3526.1
40°	3124.5
42.5°	2766.1
45°	2493.3
47.5°	2412.0
50°	2056.2
52.5°	1604.6
55°	1092.9
57.5°	670.1
60°	527.8
62.5°	409.2
65°	313.5
67.5°	252.5
70°	217.7
72.5°	198.2
75°	188.1
77.5°	175.4
80°	156.7
82.5°	132.2
85°	101.7
87.5°	68.6
90°	37.3
92.5°	36.4
95°	37.3
97.5°	37.3
100°	37.3
102.5°	37.3
105°	38.1
107.5°	37.3
110°	37.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	37.3
115°	37.3
117.5°	36.4
120°	36.4
122.5°	35.6
125°	35.6
127.5°	34.7
130°	34.7
132.5°	33.9
135°	33.0
137.5°	33.0
140°	33.0
142.5°	33.0
145°	32.2
147.5°	32.2
150°	32.2
152.5°	31.3
155°	28.8
157.5°	26.3
160°	25.4
162.5°	23.7
165°	22.0
167.5°	20.3
170°	18.6
172.5°	16.9
175°	16.1
177.5°	15.2
180°	15.2

(END OF REPORT)