

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: P1504673

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504673
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-37)
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 (3500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

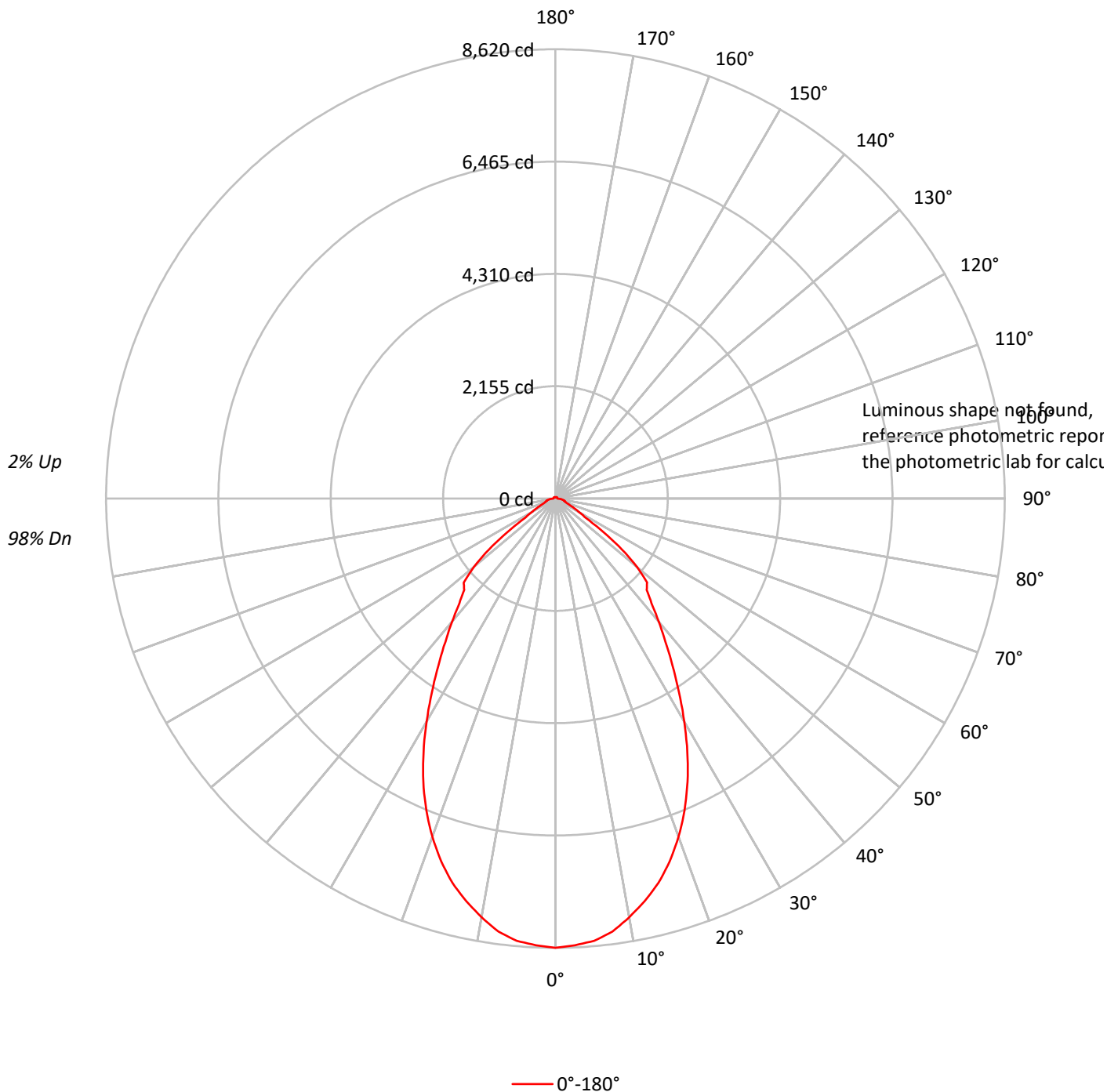
Lumens per Lamp: N/A
Luminaire Lumens: 11963.9 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 81.7
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





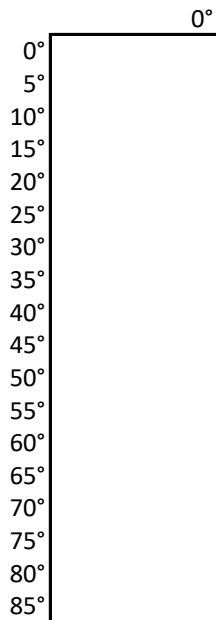
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	105	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: -

TEST NUMBER: P1504673

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L12_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	801.6	6.7
10°-20°	2134.4	17.8
20°-30°	2736.1	22.9
30°-40°	2459.2	20.6
40°-50°	1954.5	16.3
50°-60°	1041.3	8.7
60°-70°	331.5	2.8
70°-80°	187.8	1.6
80°-90°	98.0	0.8
90°-100°	39.0	0.3
100°-110°	38.9	0.3
110°-120°	36.7	0.3
120°-130°	32.4	0.3
130°-140°	27.0	0.2
140°-150°	21.3	0.2
150°-160°	14.5	0.1
160°-170°	7.6	0.1
170°-180°	2.2	0.0
0°-30°	5672.1	47.4
0°-40°	8131.3	68.0
0°-60°	11127.1	93.0
0°-90°	11744.4	98.2
90°-120°	114.6	1.0
90°-150°	195.3	1.6
90°-180°	220.0	1.8
0°-180°	11963.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8620	
5°	8518	802
15°	7632	2134
25°	5998	2736
35°	3914	2459
45°	2477	1955
55°	1125	1041
65°	314	331
75°	179	188
85°	90	85
90°	36	23
95°	36	29
105°	37	39
115°	37	37
125°	36	32
135°	35	27
145°	34	21
155°	31	14
165°	27	8
175°	22	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8619.6
2.5°	8577.9
5°	8517.9
7.5°	8379.5
10°	8156.1
12.5°	7911.0
15°	7632.5
17.5°	7296.5
20°	6906.3
22.5°	6474.5
25°	5997.6
27.5°	5479.9
30°	4942.2
32.5°	4410.3
35°	3914.2
37.5°	3469.8
40°	3078.0
42.5°	2724.5
45°	2476.9
47.5°	2383.5
50°	2040.1
52.5°	1613.2
55°	1124.7
57.5°	683.6
60°	528.6
62.5°	411.0
65°	313.5
67.5°	249.3
70°	211.8
72.5°	190.1
75°	179.2
77.5°	164.2
80°	143.4
82.5°	118.4
85°	90.0
87.5°	61.7
90°	35.8
92.5°	35.0
95°	35.8
97.5°	35.8
100°	36.7
102.5°	36.7
105°	36.7
107.5°	36.7
110°	37.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	37.5
115°	36.7
117.5°	36.7
120°	36.7
122.5°	36.7
125°	35.8
127.5°	35.8
130°	35.8
132.5°	35.0
135°	35.0
137.5°	34.2
140°	34.2
142.5°	34.2
145°	34.2
147.5°	33.3
150°	33.3
152.5°	32.5
155°	30.8
157.5°	30.0
160°	29.2
162.5°	27.5
165°	26.7
167.5°	25.0
170°	24.2
172.5°	22.5
175°	21.7
177.5°	21.7
180°	21.7

(END OF REPORT)