

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: P1504304

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504304
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

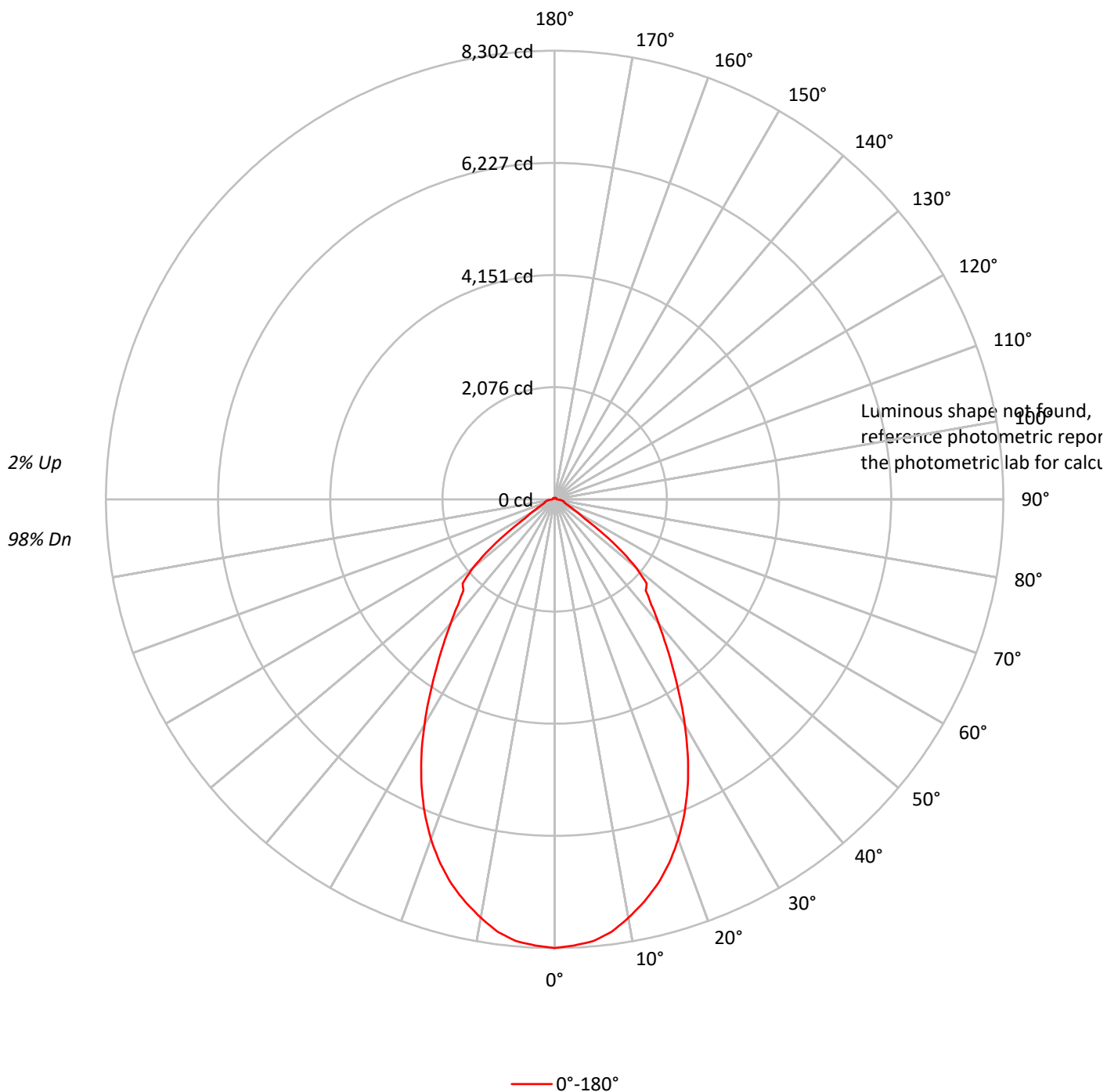
Lumens per Lamp: N/A
Luminaire Lumens: 11585.3 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 82.8
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



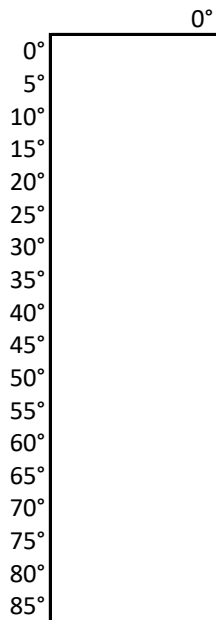
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	772.2	6.7
10°-20°	2061.6	17.8
20°-30°	2659.5	23.0
30°-40°	2394.7	20.7
40°-50°	1892.1	16.3
50°-60°	986.5	8.5
60°-70°	318.2	2.7
70°-80°	189.3	1.6
80°-90°	104.1	0.9
90°-100°	38.7	0.3
100°-110°	38.0	0.3
110°-120°	35.1	0.3
120°-130°	30.4	0.3
130°-140°	24.8	0.2
140°-150°	19.6	0.2
150°-160°	12.9	0.1
160°-170°	6.1	0.1
170°-180°	1.5	0.0
0°-30°	5493.2	47.4
0°-40°	7887.9	68.1
0°-60°	10766.5	92.9
0°-90°	11378.2	98.2
90°-120°	111.9	1.0
90°-150°	186.6	1.6
90°-180°	207.0	1.8
0°-180°	11585.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8302	
5°	8204	772
15°	7369	2062
25°	5829	2659
35°	3811	2395
45°	2386	1892
55°	1046	987
65°	300	318
75°	180	189
85°	97	90
90°	36	24
95°	36	29
105°	36	38
115°	36	35
125°	34	30
135°	32	25
145°	31	20
155°	28	13
165°	21	6
175°	15	2
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8301.9
2.5°	8262.2
5°	8203.8
7.5°	8070.9
10°	7860.9
12.5°	7629.8
15°	7368.7
17.5°	7054.1
20°	6689.2
22.5°	6283.8
25°	5828.9
27.5°	5336.8
30°	4817.1
32.5°	4302.2
35°	3810.8
37.5°	3374.6
40°	2990.3
42.5°	2647.3
45°	2386.2
47.5°	2308.4
50°	1967.8
52.5°	1535.7
55°	1046.0
57.5°	641.4
60°	505.1
62.5°	391.6
65°	300.0
67.5°	241.6
70°	208.4
72.5°	189.7
75°	180.0
77.5°	167.8
80°	150.0
82.5°	126.5
85°	97.3
87.5°	65.7
90°	35.7
92.5°	34.9
95°	35.7
97.5°	35.7
100°	35.7
102.5°	35.7
105°	36.5
107.5°	35.7
110°	35.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	35.7
115°	35.7
117.5°	34.9
120°	34.9
122.5°	34.1
125°	34.1
127.5°	33.2
130°	33.2
132.5°	32.4
135°	31.6
137.5°	31.6
140°	31.6
142.5°	31.6
145°	30.8
147.5°	30.8
150°	30.8
152.5°	30.0
155°	27.6
157.5°	25.1
160°	24.3
162.5°	22.7
165°	21.1
167.5°	19.5
170°	17.8
172.5°	16.2
175°	15.4
177.5°	14.6
180°	14.6

(END OF REPORT)