

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: P1504313

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504313
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

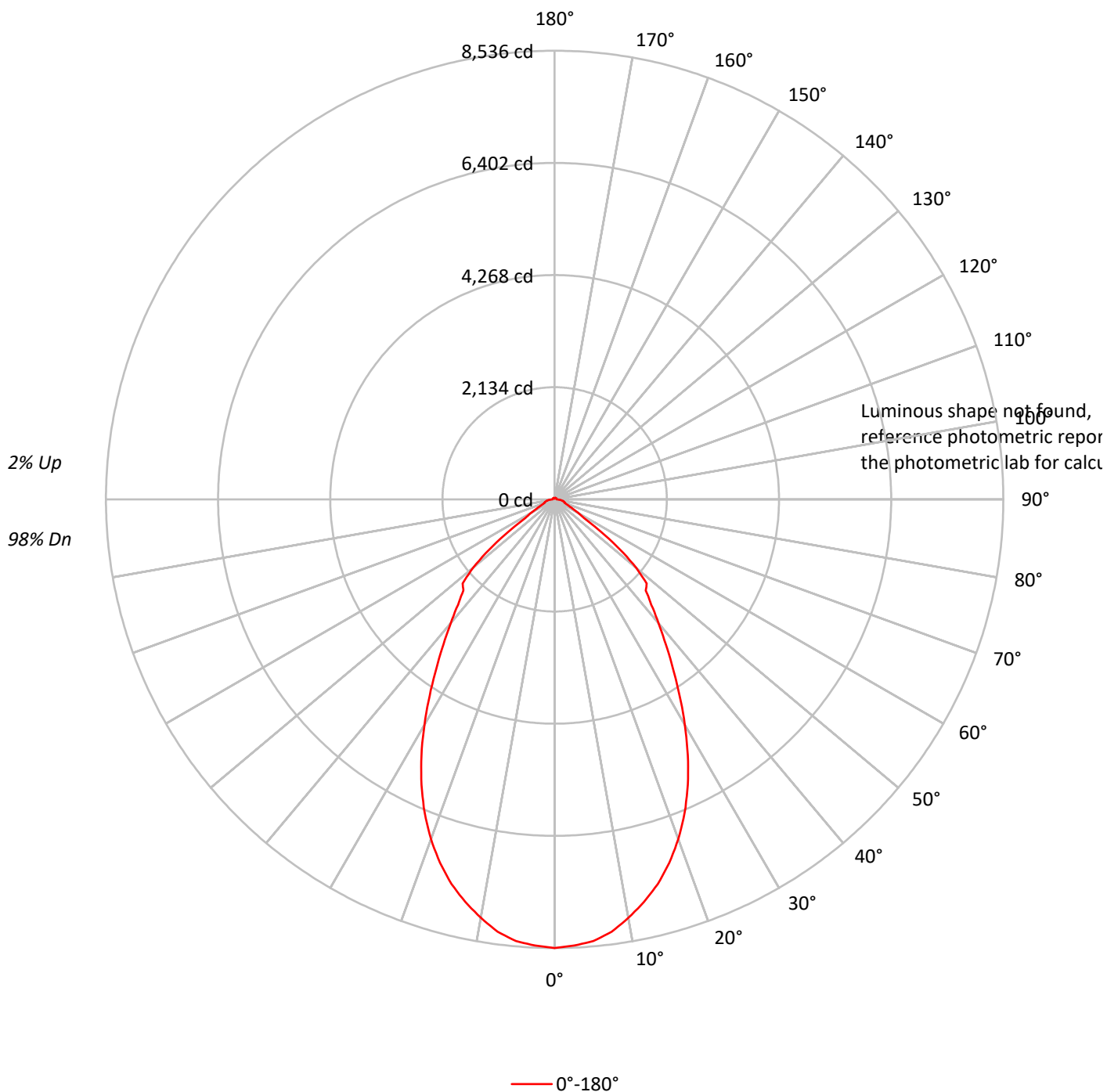
Lumens per Lamp: N/A
Luminaire Lumens: 11912.2 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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





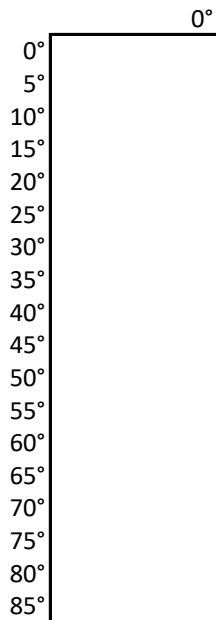
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	794.0	6.7
10°-20°	2119.7	17.8
20°-30°	2734.5	23.0
30°-40°	2462.3	20.7
40°-50°	1945.5	16.3
50°-60°	1014.4	8.5
60°-70°	327.2	2.7
70°-80°	194.7	1.6
80°-90°	107.1	0.9
90°-100°	39.8	0.3
100°-110°	39.0	0.3
110°-120°	36.1	0.3
120°-130°	31.2	0.3
130°-140°	25.5	0.2
140°-150°	20.1	0.2
150°-160°	13.2	0.1
160°-170°	6.2	0.1
170°-180°	1.6	0.0
0°-30°	5648.2	47.4
0°-40°	8110.5	68.1
0°-60°	11070.4	92.9
0°-90°	11699.4	98.2
90°-120°	114.9	1.0
90°-150°	191.8	1.6
90°-180°	213.0	1.8
0°-180°	11912.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8536	
5°	8435	794
15°	7577	2120
25°	5994	2735
35°	3918	2462
45°	2454	1945
55°	1076	1014
65°	308	327
75°	185	195
85°	100	93
90°	37	24
95°	37	30
105°	38	39
115°	37	36
125°	35	31
135°	32	26
145°	32	20
155°	28	13
165°	22	6
175°	16	2
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8536.2
2.5°	8495.4
5°	8435.4
7.5°	8298.6
10°	8082.7
12.5°	7845.1
15°	7576.6
17.5°	7253.2
20°	6878.0
22.5°	6461.2
25°	5993.5
27.5°	5487.4
30°	4953.0
32.5°	4423.6
35°	3918.4
37.5°	3469.8
40°	3074.7
42.5°	2722.0
45°	2453.6
47.5°	2373.5
50°	2023.4
52.5°	1579.0
55°	1075.5
57.5°	659.5
60°	519.4
62.5°	402.7
65°	308.5
67.5°	248.4
70°	214.3
72.5°	195.1
75°	185.1
77.5°	172.6
80°	154.2
82.5°	130.1
85°	100.0
87.5°	67.5
90°	36.7
92.5°	35.8
95°	36.7
97.5°	36.7
100°	36.7
102.5°	36.7
105°	37.5
107.5°	36.7
110°	36.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	36.7
115°	36.7
117.5°	35.8
120°	35.8
122.5°	35.0
125°	35.0
127.5°	34.2
130°	34.2
132.5°	33.3
135°	32.5
137.5°	32.5
140°	32.5
142.5°	32.5
145°	31.7
147.5°	31.7
150°	31.7
152.5°	30.8
155°	28.3
157.5°	25.8
160°	25.0
162.5°	23.3
165°	21.7
167.5°	20.0
170°	18.3
172.5°	16.7
175°	15.8
177.5°	15.0
180°	15.0

(END OF REPORT)