

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: P1504322

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (4000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504322
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

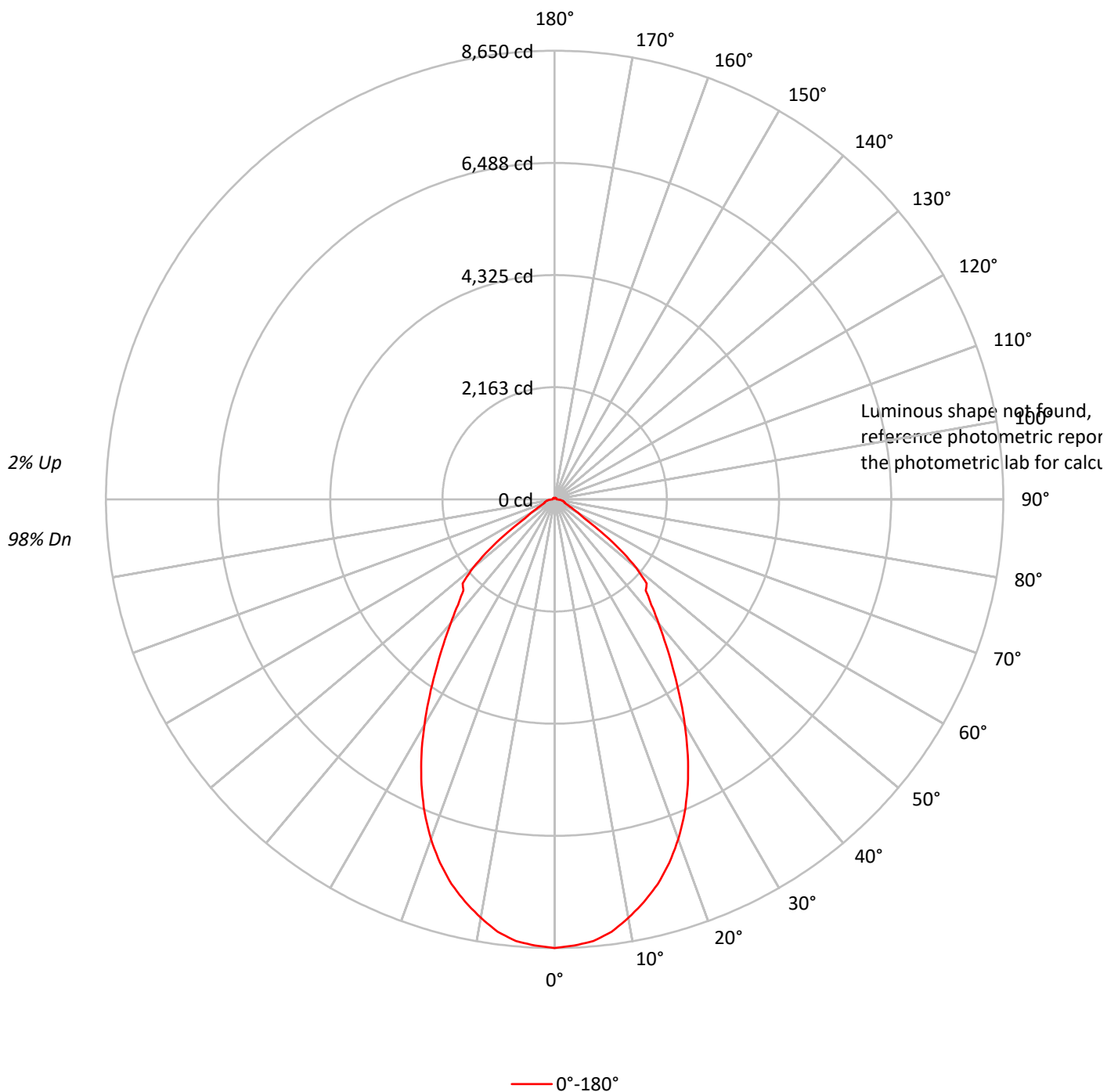
Lumens per Lamp: N/A
Luminaire Lumens: 12071.3 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 80.7
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



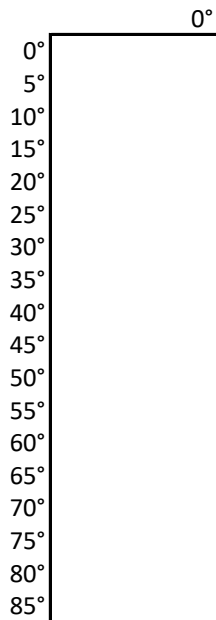
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	804.6	6.7
10°-20°	2148.1	17.8
20°-30°	2771.1	23.0
30°-40°	2495.2	20.7
40°-50°	1971.5	16.3
50°-60°	1027.9	8.5
60°-70°	331.6	2.7
70°-80°	197.3	1.6
80°-90°	108.5	0.9
90°-100°	40.3	0.3
100°-110°	39.6	0.3
110°-120°	36.6	0.3
120°-130°	31.7	0.3
130°-140°	25.8	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°	5723.7	47.4
0°-40°	8218.9	68.1
0°-60°	11218.2	92.9
0°-90°	11855.6	98.2
90°-120°	116.5	1.0
90°-150°	194.4	1.6
90°-180°	216.0	1.8
0°-180°	12071.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8650	
5°	8548	805
15°	7678	2148
25°	6074	2771
35°	3971	2495
45°	2486	1971
55°	1090	1028
65°	313	332
75°	188	197
85°	101	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°	8650.2
2.5°	8608.9
5°	8548.0
7.5°	8409.5
10°	8190.7
12.5°	7949.9
15°	7677.8
17.5°	7350.1
20°	6969.9
22.5°	6547.5
25°	6073.5
27.5°	5560.7
30°	5019.2
32.5°	4482.7
35°	3970.7
37.5°	3516.2
40°	3115.7
42.5°	2758.4
45°	2486.3
47.5°	2405.2
50°	2050.4
52.5°	1600.1
55°	1089.8
57.5°	668.3
60°	526.3
62.5°	408.1
65°	312.6
67.5°	251.8
70°	217.1
72.5°	197.7
75°	187.6
77.5°	174.9
80°	156.3
82.5°	131.8
85°	101.4
87.5°	68.4
90°	37.2
92.5°	36.3
95°	37.2
97.5°	37.2
100°	37.2
102.5°	37.2
105°	38.0
107.5°	37.2
110°	37.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	37.2
115°	37.2
117.5°	36.3
120°	36.3
122.5°	35.5
125°	35.5
127.5°	34.6
130°	34.6
132.5°	33.8
135°	32.9
137.5°	32.9
140°	32.9
142.5°	32.9
145°	32.1
147.5°	32.1
150°	32.1
152.5°	31.3
155°	28.7
157.5°	26.2
160°	25.3
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)