

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: P1504457

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (4000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504457
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-43)
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-06-CLER-PS (4000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

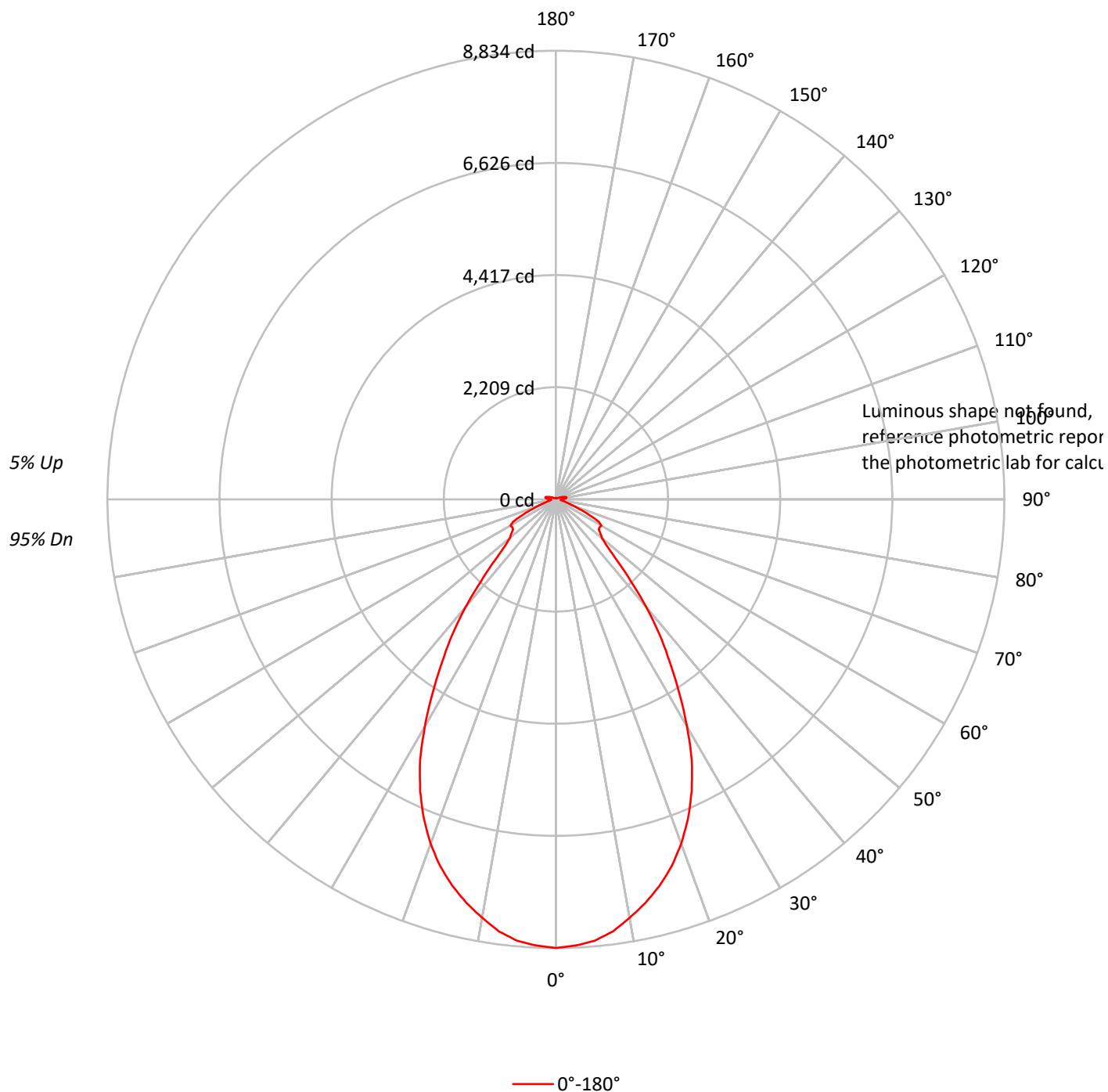
Lumens per Lamp: N/A
Luminaire Lumens: 12321.3 lumens
Efficiency: N/A
Efficacy: 152.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

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





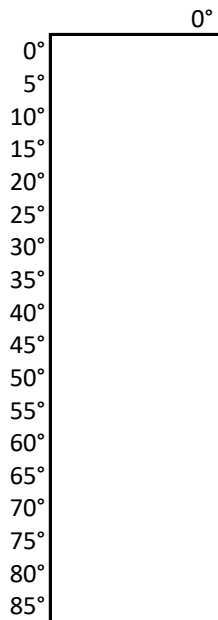
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95		
1	110	107	103	100	107	104	101	98	99	97	94	94	92	91	90	89	87	85		
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	88	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68		
4	89	80	73	68	87	78	72	67	75	70	66	73	68	64	70	66	63	61		
5	84	73	66	61	81	72	65	60	69	64	59	67	62	58	65	61	57	55		
6	78	68	60	55	76	66	60	54	64	58	54	62	57	53	60	56	52	50		
7	74	62	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	50	46	56	50	45	54	49	45	53	48	44	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	38	47	42	38	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°	821.3	6.7
10°-20°	2207.2	17.9
20°-30°	2877.7	23.4
30°-40°	2444.2	19.8
40°-50°	1380.0	11.2
50°-60°	954.4	7.7
60°-70°	706.6	5.7
70°-80°	223.9	1.8
80°-90°	117.1	1.0
90°-100°	191.5	1.6
100°-110°	193.3	1.6
110°-120°	92.1	0.7
120°-130°	38.8	0.3
130°-140°	26.9	0.2
140°-150°	21.1	0.2
150°-160°	15.0	0.1
160°-170°	8.1	0.1
170°-180°	2.1	0.0
0°-30°	5906.3	47.9
0°-40°	8350.5	67.8
0°-60°	10684.9	86.7
0°-90°	11732.4	95.2
90°-120°	476.9	3.9
90°-150°	563.7	4.6
90°-180°	589.0	4.8
0°-180°	12321.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8834	
5°	8724	821
15°	7878	2207
25°	6327	2878
35°	3908	2444
45°	1698	1380
55°	1029	954
65°	723	707
75°	201	224
85°	99	85
90°	125	70
95°	179	154
105°	186	193
115°	90	92
125°	41	39
135°	35	27
145°	34	21
155°	32	15
165°	28	8
175°	21	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8833.6
2.5°	8793.9
5°	8723.7
7.5°	8581.0
10°	8364.7
12.5°	8136.6
15°	7878.1
17.5°	7574.8
20°	7213.2
22.5°	6798.4
25°	6327.0
27.5°	5793.9
30°	5161.9
32.5°	4521.5
35°	3908.2
37.5°	3348.9
40°	2777.0
42.5°	2179.7
45°	1698.1
47.5°	1360.2
50°	1179.4
52.5°	1106.7
55°	1029.0
57.5°	1018.0
60°	1035.8
62.5°	942.8
65°	723.2
67.5°	506.1
70°	353.1
72.5°	261.9
75°	201.1
77.5°	151.2
80°	118.3
82.5°	101.4
85°	98.8
87.5°	107.3
90°	125.0
92.5°	150.4
95°	179.1
97.5°	203.6
100°	213.7
102.5°	206.1
105°	185.9
107.5°	162.2
110°	136.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	111.5
115°	89.6
117.5°	71.0
120°	57.4
122.5°	47.3
125°	41.4
127.5°	37.2
130°	35.5
132.5°	34.6
135°	34.6
137.5°	34.6
140°	34.6
142.5°	33.8
145°	33.8
147.5°	32.9
150°	32.9
152.5°	32.9
155°	32.1
157.5°	32.1
160°	31.3
162.5°	30.4
165°	27.9
167.5°	26.2
170°	24.5
172.5°	22.8
175°	21.1
177.5°	21.1
180°	21.1

(END OF REPORT)