

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: P1504475

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (6500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504475
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 (6500K_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

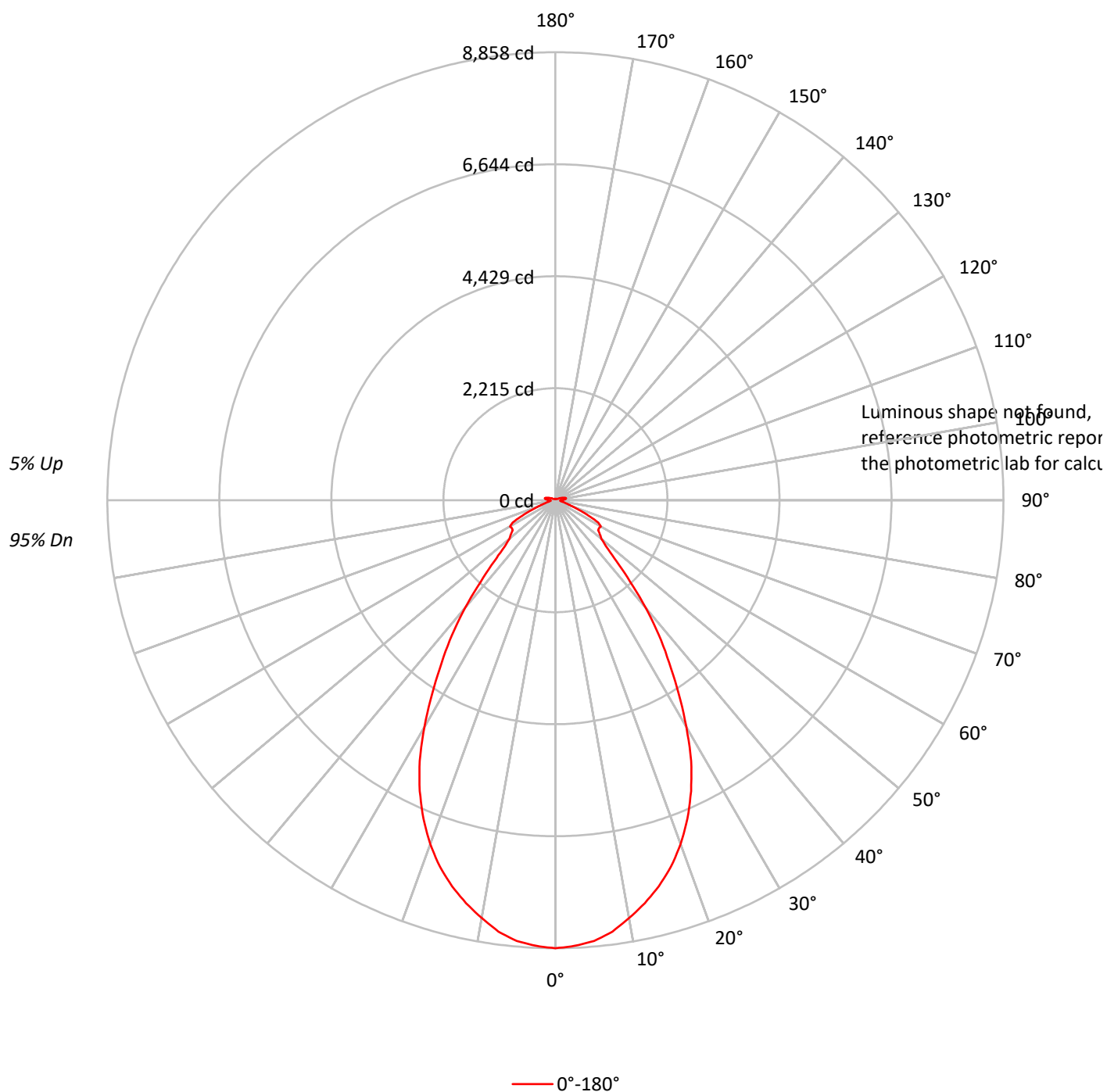
Lumens per Lamp: N/A
Luminaire Lumens: 12355.9 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 83
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





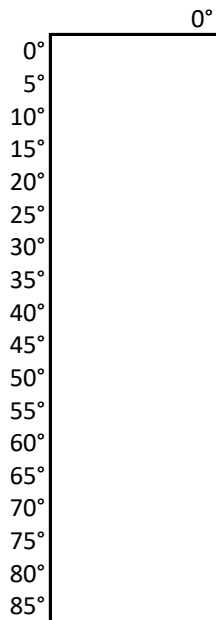
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	823.6	6.7
10°-20°	2213.4	17.9
20°-30°	2885.8	23.4
30°-40°	2451.1	19.8
40°-50°	1383.9	11.2
50°-60°	957.1	7.7
60°-70°	708.5	5.7
70°-80°	224.5	1.8
80°-90°	117.4	1.0
90°-100°	192.0	1.6
100°-110°	193.8	1.6
110°-120°	92.4	0.7
120°-130°	38.9	0.3
130°-140°	27.0	0.2
140°-150°	21.2	0.2
150°-160°	15.0	0.1
160°-170°	8.1	0.1
170°-180°	2.2	0.0
0°-30°	5922.9	47.9
0°-40°	8374.0	67.8
0°-60°	10715.0	86.7
0°-90°	11765.4	95.2
90°-120°	478.2	3.9
90°-150°	565.3	4.6
90°-180°	591.0	4.8
0°-180°	12355.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8858	
5°	8748	824
15°	7900	2213
25°	6345	2886
35°	3919	2451
45°	1703	1384
55°	1032	957
65°	725	709
75°	202	225
85°	99	85
90°	125	70
95°	180	154
105°	186	194
115°	90	92
125°	42	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°	8858.4
2.5°	8818.6
5°	8748.3
7.5°	8605.1
10°	8388.2
12.5°	8159.5
15°	7900.2
17.5°	7596.1
20°	7233.5
22.5°	6817.5
25°	6344.7
27.5°	5810.1
30°	5176.4
32.5°	4534.3
35°	3919.2
37.5°	3358.3
40°	2784.8
42.5°	2185.8
45°	1702.9
47.5°	1364.0
50°	1182.7
52.5°	1109.8
55°	1031.9
57.5°	1020.9
60°	1038.7
62.5°	945.5
65°	725.2
67.5°	507.5
70°	354.1
72.5°	262.6
75°	201.6
77.5°	151.7
80°	118.6
82.5°	101.7
85°	99.1
87.5°	107.6
90°	125.4
92.5°	150.8
95°	179.6
97.5°	204.2
100°	214.3
102.5°	206.7
105°	186.4
107.5°	162.7
110°	137.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	111.8
115°	89.8
117.5°	71.2
120°	57.6
122.5°	47.4
125°	41.5
127.5°	37.3
130°	35.6
132.5°	34.7
135°	34.7
137.5°	34.7
140°	34.7
142.5°	33.9
145°	33.9
147.5°	33.0
150°	33.0
152.5°	33.0
155°	32.2
157.5°	32.2
160°	31.3
162.5°	30.5
165°	28.0
167.5°	26.3
170°	24.6
172.5°	22.9
175°	21.2
177.5°	21.2
180°	21.2

(END OF REPORT)