

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: P1504466

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (5000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504466
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 (5000K_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

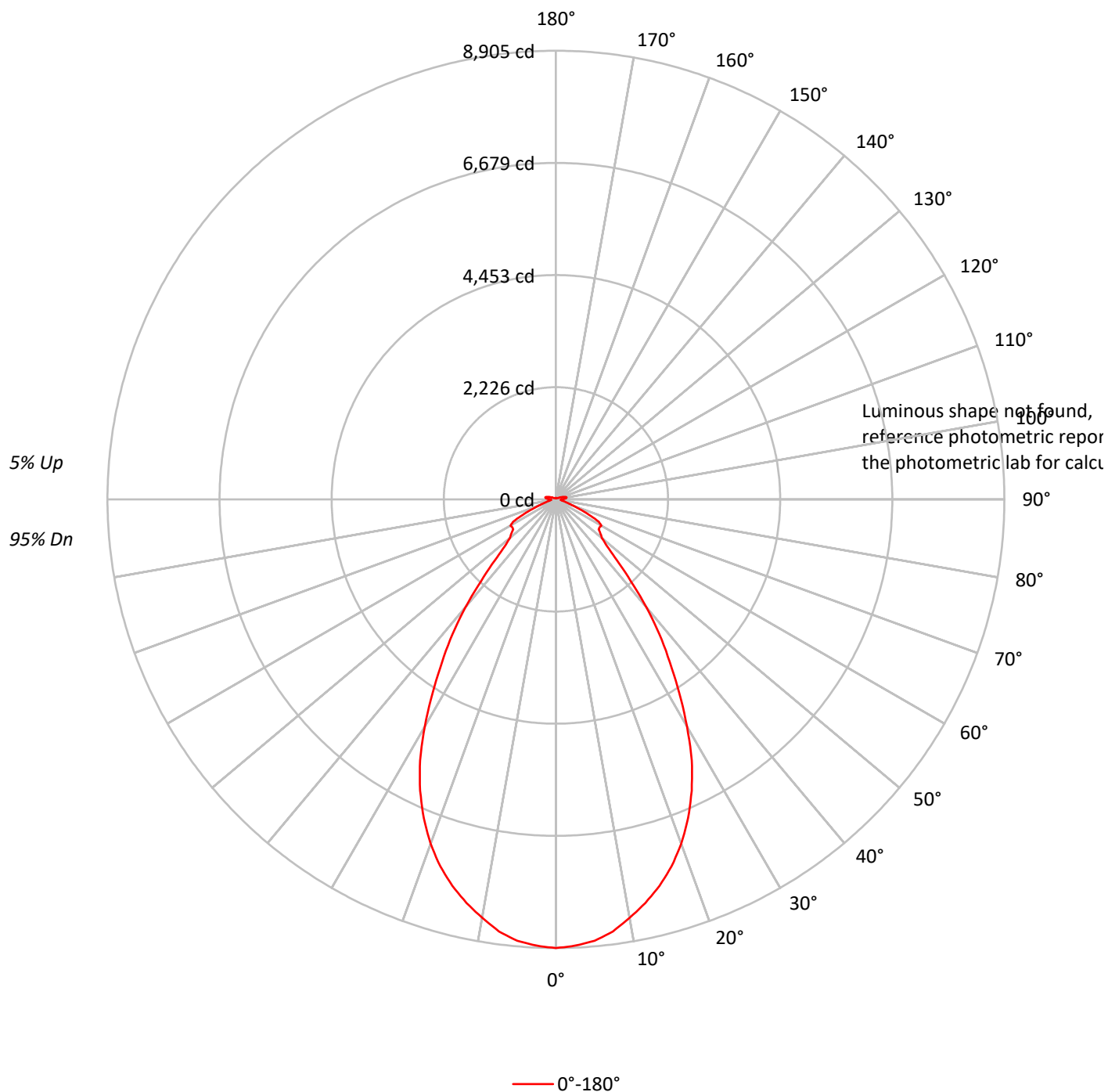
Lumens per Lamp: N/A
Luminaire Lumens: 12421.4 lumens
Efficiency: N/A
Efficacy: 153.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 81.1
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°	828.0	6.7
10°-20°	2225.1	17.9
20°-30°	2901.1	23.4
30°-40°	2464.1	19.8
40°-50°	1391.2	11.2
50°-60°	962.2	7.7
60°-70°	712.3	5.7
70°-80°	225.7	1.8
80°-90°	118.0	1.0
90°-100°	193.1	1.6
100°-110°	194.8	1.6
110°-120°	92.9	0.7
120°-130°	39.2	0.3
130°-140°	27.1	0.2
140°-150°	21.3	0.2
150°-160°	15.1	0.1
160°-170°	8.1	0.1
170°-180°	2.2	0.0
0°-30°	5954.2	47.9
0°-40°	8418.2	67.8
0°-60°	10771.6	86.7
0°-90°	11827.6	95.2
90°-120°	480.8	3.9
90°-150°	568.3	4.6
90°-180°	594.0	4.8
0°-180°	12421.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8905	
5°	8794	828
15°	7942	2225
25°	6378	2901
35°	3940	2464
45°	1712	1391
55°	1037	962
65°	729	712
75°	203	226
85°	100	86
90°	126	70
95°	181	155
105°	187	195
115°	90	93
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°	8905.3
2.5°	8865.2
5°	8794.5
7.5°	8650.6
10°	8432.6
12.5°	8202.6
15°	7942.0
17.5°	7636.2
20°	7271.7
22.5°	6853.5
25°	6378.3
27.5°	5840.9
30°	5203.8
32.5°	4558.2
35°	3939.9
37.5°	3376.1
40°	2799.5
42.5°	2197.4
45°	1711.9
47.5°	1371.2
50°	1189.0
52.5°	1115.7
55°	1037.4
57.5°	1026.3
60°	1044.2
62.5°	950.5
65°	729.0
67.5°	510.2
70°	356.0
72.5°	264.0
75°	202.7
77.5°	152.5
80°	119.2
82.5°	102.2
85°	99.6
87.5°	108.2
90°	126.1
92.5°	151.6
95°	180.6
97.5°	205.3
100°	215.5
102.5°	207.8
105°	187.4
107.5°	163.5
110°	138.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	112.4
115°	90.3
117.5°	71.5
120°	57.9
122.5°	47.7
125°	41.7
127.5°	37.5
130°	35.8
132.5°	34.9
135°	34.9
137.5°	34.9
140°	34.9
142.5°	34.1
145°	34.1
147.5°	33.2
150°	33.2
152.5°	33.2
155°	32.4
157.5°	32.4
160°	31.5
162.5°	30.7
165°	28.1
167.5°	26.4
170°	24.7
172.5°	23.0
175°	21.3
177.5°	21.3
180°	21.3

(END OF REPORT)