

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: P1504453

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504453
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-44)
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 (3500K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

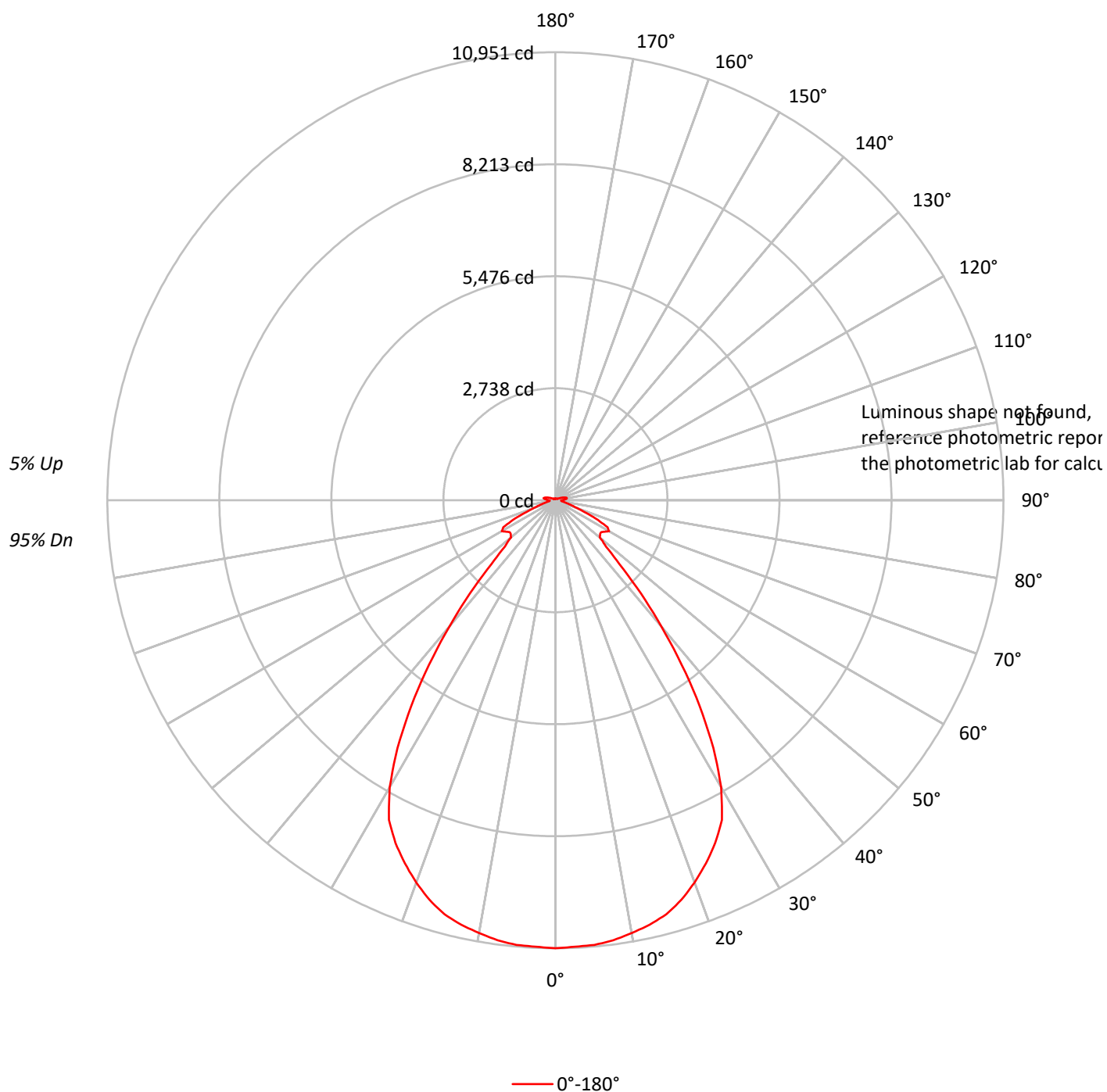
Lumens per Lamp: N/A
Luminaire Lumens: 17511.4 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 120.7
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	109	109	109	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	86	100	94	89	85	90	86	82	86	83	80	83	80	78	75		
3	96	87	81	76	93	85	79	75	82	77	73	79	75	71	76	72	69	67		
4	89	80	72	67	87	78	71	66	75	69	65	72	68	64	70	66	62	61		
5	83	73	65	60	81	72	65	60	69	63	59	67	62	58	65	60	57	55		
6	78	67	60	54	76	66	59	54	64	58	53	62	56	52	60	55	52	50		
7	73	62	55	49	71	61	54	49	59	53	48	57	52	48	56	51	47	46		
8	69	57	50	45	67	57	50	45	55	49	45	54	48	44	52	47	44	42		
9	65	53	46	42	63	53	46	41	51	45	41	50	45	41	49	44	40	39		
10	61	50	43	39	60	49	43	38	48	42	38	47	42	38	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1036.0	5.9
10°-20°	2943.1	16.8
20°-30°	4221.6	24.1
30°-40°	3790.3	21.6
40°-50°	1848.6	10.6
50°-60°	1263.0	7.2
60°-70°	1093.8	6.2
70°-80°	345.1	2.0
80°-90°	162.1	0.9
90°-100°	252.0	1.4
100°-110°	260.7	1.5
110°-120°	129.3	0.7
120°-130°	56.6	0.3
130°-140°	40.3	0.2
140°-150°	31.7	0.2
150°-160°	22.3	0.1
160°-170°	12.0	0.1
170°-180°	3.1	0.0
0°-30°	8200.6	46.8
0°-40°	11990.9	68.5
0°-60°	15102.5	86.2
0°-90°	16703.5	95.4
90°-120°	642.0	3.7
90°-150°	770.6	4.4
90°-180°	808.0	4.6
0°-180°	17511.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10951	
5°	10911	###
15°	10478	2943
25°	9245	4222
35°	6143	3790
45°	2208	1849
55°	1360	1263
65°	1149	1094
75°	306	345
85°	136	120
90°	163	91
95°	234	203
105°	250	261
115°	126	129
125°	61	57
135°	52	40
145°	50	32
155°	48	22
165°	42	12
175°	30	3
180°	29	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10950.7
2.5°	10922.7
5°	10911.1
7.5°	10847.0
10°	10742.1
12.5°	10630.3
15°	10477.6
17.5°	10241.1
20°	9941.6
22.5°	9610.7
25°	9244.8
27.5°	8811.4
30°	8097.1
32.5°	7183.6
35°	6143.0
37.5°	5072.2
40°	4018.8
42.5°	3087.8
45°	2208.1
47.5°	1680.2
50°	1419.2
52.5°	1372.6
55°	1359.8
57.5°	1429.7
60°	1511.3
62.5°	1434.4
65°	1148.9
67.5°	814.5
70°	562.8
72.5°	407.8
75°	306.5
77.5°	227.2
80°	174.8
82.5°	145.7
85°	136.3
87.5°	143.3
90°	163.1
92.5°	196.9
95°	234.2
97.5°	269.2
100°	285.5
102.5°	276.2
105°	250.5
107.5°	220.2
110°	188.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	156.1
115°	125.8
117.5°	101.4
120°	81.6
122.5°	68.7
125°	60.6
127.5°	54.8
130°	52.4
132.5°	51.3
135°	52.4
137.5°	52.4
140°	51.3
142.5°	51.3
145°	50.1
147.5°	50.1
150°	48.9
152.5°	48.9
155°	47.8
157.5°	47.8
160°	46.6
162.5°	45.4
165°	41.9
167.5°	38.5
170°	35.0
172.5°	32.6
175°	30.3
177.5°	30.3
180°	29.1

(END OF REPORT)