

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: P1504462

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (4000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504462
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 (4000K_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

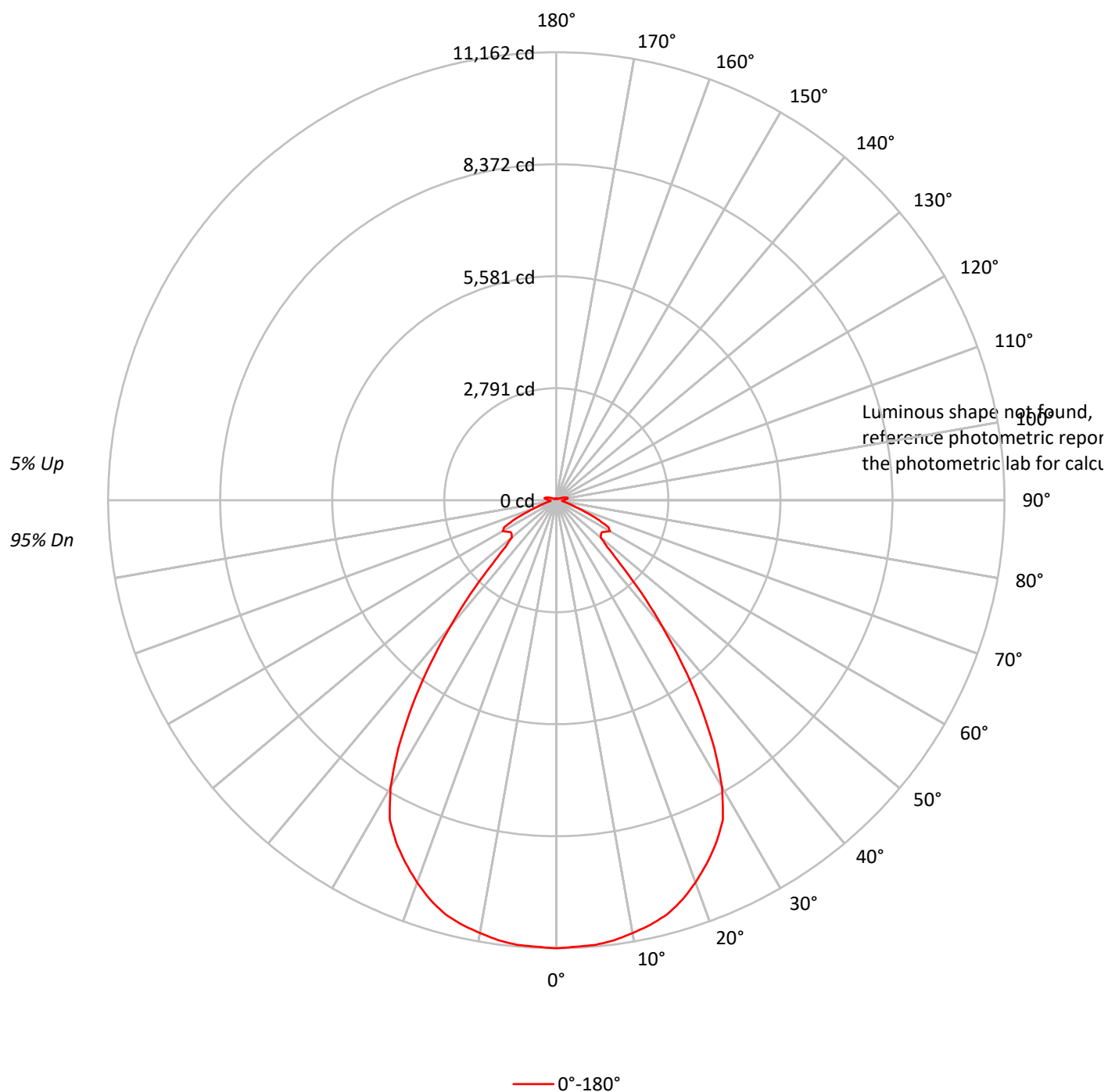
Lumens per Lamp: N/A
Luminaire Lumens: 17848.9 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 119.3
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



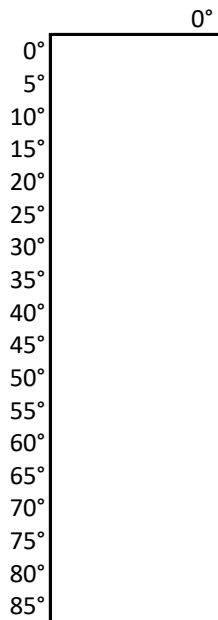
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1055.9	5.9
10°-20°	2999.8	16.8
20°-30°	4302.9	24.1
30°-40°	3863.3	21.6
40°-50°	1884.2	10.6
50°-60°	1287.4	7.2
60°-70°	1114.9	6.2
70°-80°	351.7	2.0
80°-90°	165.2	0.9
90°-100°	256.9	1.4
100°-110°	265.7	1.5
110°-120°	131.8	0.7
120°-130°	57.7	0.3
130°-140°	41.0	0.2
140°-150°	32.3	0.2
150°-160°	22.7	0.1
160°-170°	12.2	0.1
170°-180°	3.1	0.0
0°-30°	8358.6	46.8
0°-40°	12222.0	68.5
0°-60°	15393.6	86.2
0°-90°	17025.4	95.4
90°-120°	654.4	3.7
90°-150°	785.4	4.4
90°-180°	823.0	4.6
0°-180°	17848.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11162	
5°	11121	###
15°	10680	3000
25°	9423	4303
35°	6261	3863
45°	2251	1884
55°	1386	1287
65°	1171	1115
75°	312	352
85°	139	122
90°	166	93
95°	239	207
105°	255	266
115°	128	132
125°	62	58
135°	53	41
145°	51	32
155°	49	23
165°	43	12
175°	31	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11161.7
2.5°	11133.2
5°	11121.4
7.5°	11056.0
10°	10949.1
12.5°	10835.1
15°	10679.5
17.5°	10438.4
20°	10133.2
22.5°	9795.9
25°	9423.0
27.5°	8981.2
30°	8253.1
32.5°	7322.0
35°	6261.4
37.5°	5169.9
40°	4096.3
42.5°	3147.3
45°	2250.6
47.5°	1712.6
50°	1446.6
52.5°	1399.1
55°	1386.0
57.5°	1457.3
60°	1540.4
62.5°	1462.0
65°	1171.0
67.5°	830.2
70°	573.6
72.5°	415.7
75°	312.4
77.5°	231.6
80°	178.2
82.5°	148.5
85°	139.0
87.5°	146.1
90°	166.3
92.5°	200.7
95°	238.7
97.5°	274.4
100°	291.0
102.5°	281.5
105°	255.3
107.5°	224.5
110°	192.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	159.1
115°	128.3
117.5°	103.3
120°	83.1
122.5°	70.1
125°	61.8
127.5°	55.8
130°	53.4
132.5°	52.3
135°	53.4
137.5°	53.4
140°	52.3
142.5°	52.3
145°	51.1
147.5°	51.1
150°	49.9
152.5°	49.9
155°	48.7
157.5°	48.7
160°	47.5
162.5°	46.3
165°	42.8
167.5°	39.2
170°	35.6
172.5°	33.3
175°	30.9
177.5°	30.9
180°	29.7

(END OF REPORT)