

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: P1504444

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504444
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 (3000K_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

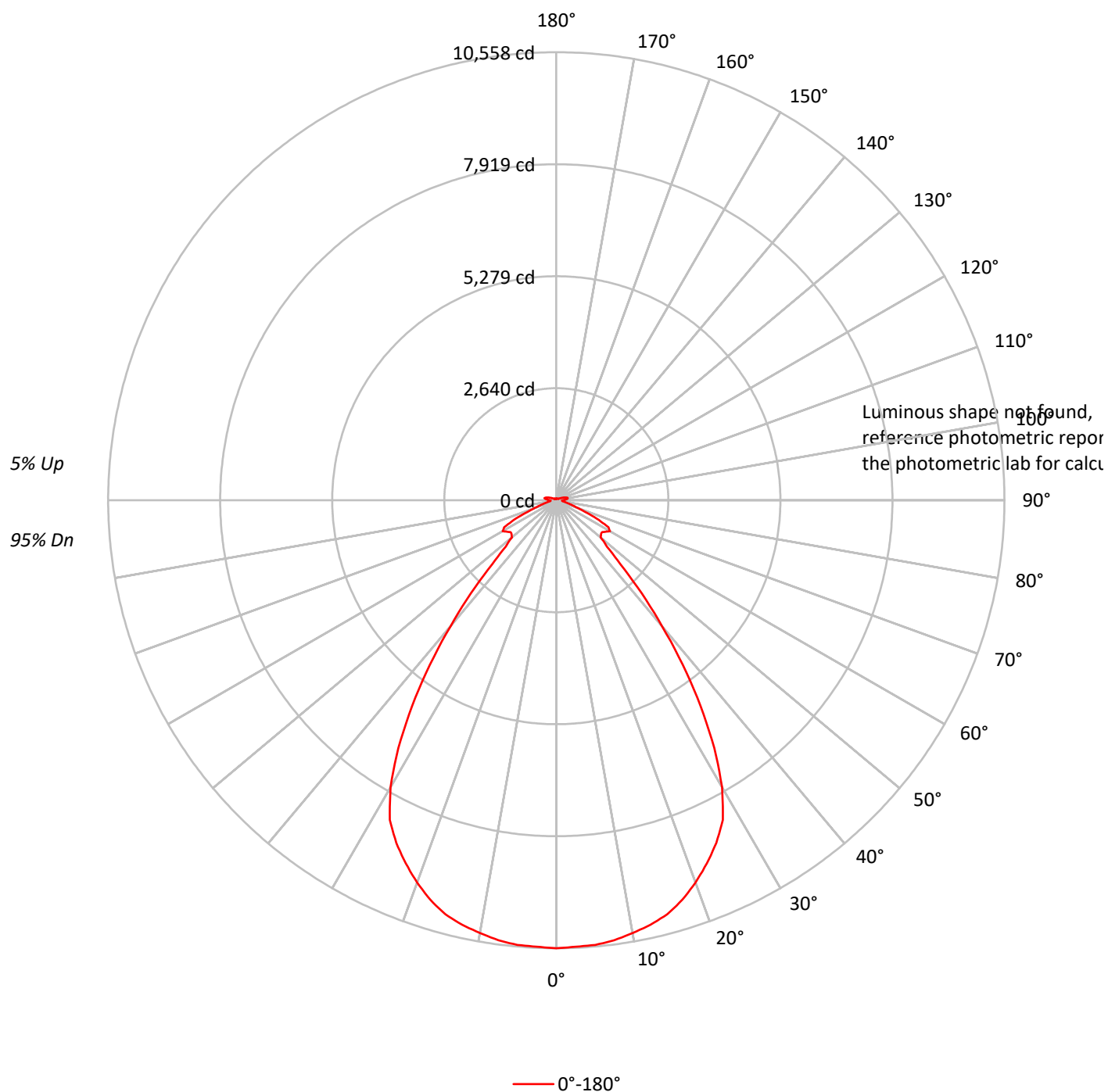
Lumens per Lamp: N/A
Luminaire Lumens: 16884.1 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 122.9
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



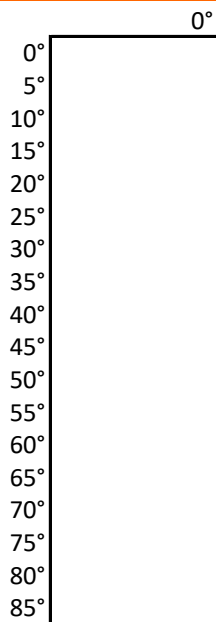
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	998.9	5.9
10°-20°	2837.6	16.8
20°-30°	4070.3	24.1
30°-40°	3654.5	21.6
40°-50°	1782.4	10.6
50°-60°	1217.8	7.2
60°-70°	1054.6	6.2
70°-80°	332.7	2.0
80°-90°	156.2	0.9
90°-100°	243.0	1.4
100°-110°	251.3	1.5
110°-120°	124.7	0.7
120°-130°	54.5	0.3
130°-140°	38.8	0.2
140°-150°	30.5	0.2
150°-160°	21.5	0.1
160°-170°	11.6	0.1
170°-180°	3.0	0.0
0°-30°	7906.8	46.8
0°-40°	11561.4	68.5
0°-60°	14561.6	86.2
0°-90°	16105.1	95.4
90°-120°	619.0	3.7
90°-150°	742.9	4.4
90°-180°	779.0	4.6
0°-180°	16884.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10558	
5°	10520	999
15°	10102	2838
25°	8914	4070
35°	5923	3655
45°	2129	1782
55°	1311	1218
65°	1108	1055
75°	296	333
85°	131	116
90°	157	88
95°	226	195
105°	242	251
115°	121	125
125°	58	55
135°	51	39
145°	48	31
155°	46	21
165°	40	12
175°	29	3
180°	28	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10558.4
2.5°	10531.5
5°	10520.2
7.5°	10458.4
10°	10357.3
12.5°	10249.5
15°	10102.3
17.5°	9874.2
20°	9585.5
22.5°	9266.4
25°	8913.7
27.5°	8495.7
30°	7807.0
32.5°	6926.2
35°	5923.0
37.5°	4890.5
40°	3874.9
42.5°	2977.2
45°	2129.0
47.5°	1620.1
50°	1368.4
52.5°	1323.5
55°	1311.1
57.5°	1378.5
60°	1457.1
62.5°	1383.0
65°	1107.7
67.5°	785.3
70°	542.6
72.5°	393.2
75°	295.5
77.5°	219.1
80°	168.5
82.5°	140.4
85°	131.4
87.5°	138.2
90°	157.3
92.5°	189.9
95°	225.8
97.5°	259.5
100°	275.3
102.5°	266.3
105°	241.5
107.5°	212.3
110°	182.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	150.5
115°	121.3
117.5°	97.7
120°	78.6
122.5°	66.3
125°	58.4
127.5°	52.8
130°	50.6
132.5°	49.4
135°	50.6
137.5°	50.6
140°	49.4
142.5°	49.4
145°	48.3
147.5°	48.3
150°	47.2
152.5°	47.2
155°	46.1
157.5°	46.1
160°	44.9
162.5°	43.8
165°	40.4
167.5°	37.1
170°	33.7
172.5°	31.5
175°	29.2
177.5°	29.2
180°	28.1

(END OF REPORT)