

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: P1504471

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (5000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504471
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 (5000K_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

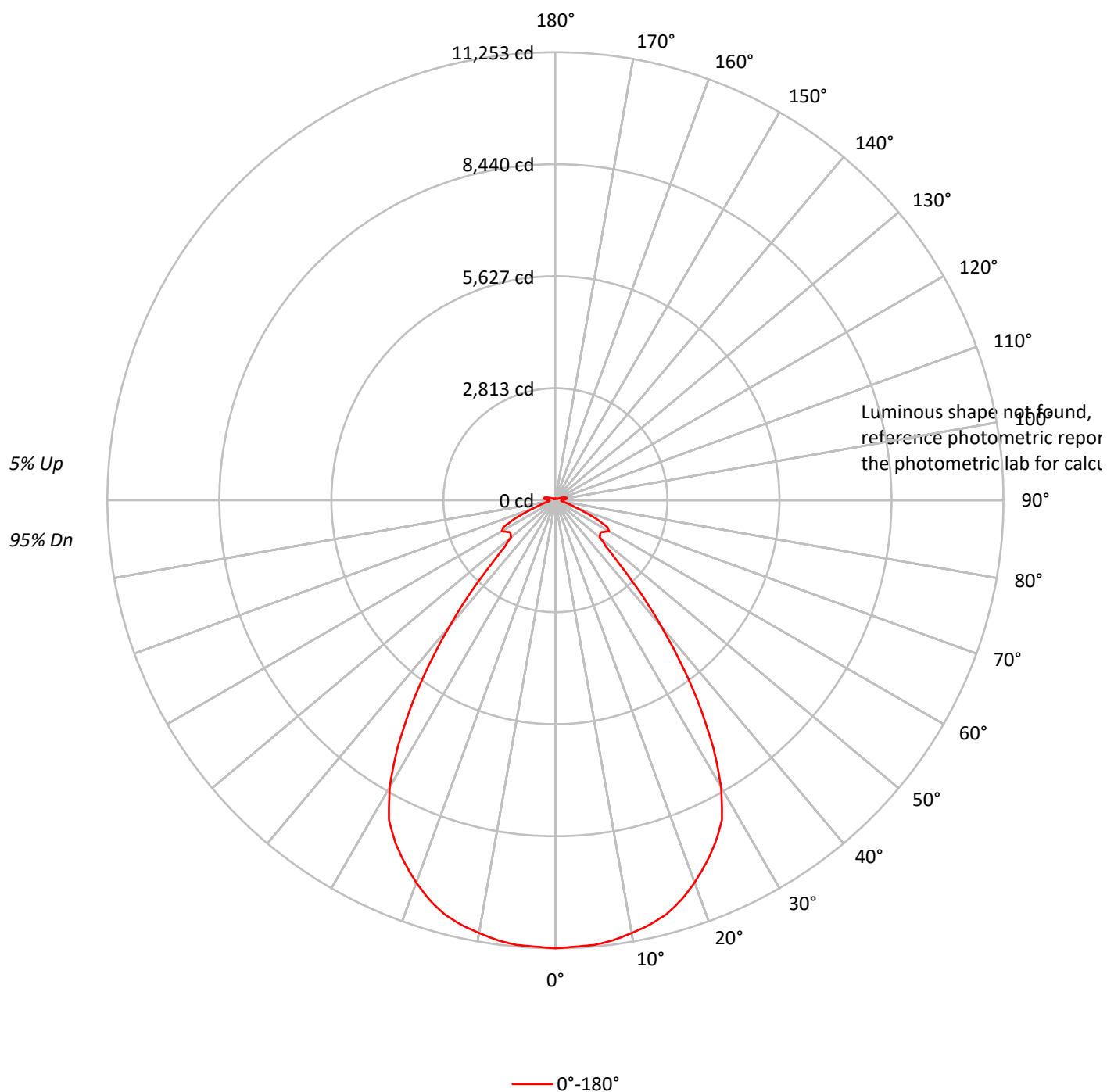
Lumens per Lamp: N/A
Luminaire Lumens: 17995.5 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 120.1
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		
R																				
C	0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95	
R	1	110	107	103	100	107	104	101	98	99	97	94	94	92	91	90	89	87	85	
C	2	103	96	91	86	100	94	89	85	90	86	82	86	83	80	83	80	78	75	
R	3	96	87	81	76	93	85	79	75	82	77	73	79	75	71	76	72	69	67	
C	4	89	80	72	67	87	78	71	66	75	69	65	72	68	64	70	66	62	61	
R	5	83	73	65	60	81	72	65	60	69	63	59	67	62	58	65	60	57	55	
C	6	78	67	60	54	76	66	59	54	64	58	53	62	56	52	60	55	52	50	
R	7	73	62	55	49	71	61	54	49	59	53	48	57	52	48	56	51	47	46	
C	8	69	57	50	45	67	57	50	45	55	49	45	54	48	44	52	47	44	42	
R	9	65	53	46	42	63	53	46	41	51	45	41	50	45	41	49	44	40	39	
C	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°	1064.6	5.9
10°-20°	3024.4	16.8
20°-30°	4338.2	24.1
30°-40°	3895.1	21.6
40°-50°	1899.7	10.6
50°-60°	1297.9	7.2
60°-70°	1124.1	6.2
70°-80°	354.6	2.0
80°-90°	166.6	0.9
90°-100°	259.0	1.4
100°-110°	267.9	1.5
110°-120°	132.9	0.7
120°-130°	58.1	0.3
130°-140°	41.4	0.2
140°-150°	32.6	0.2
150°-160°	22.9	0.1
160°-170°	12.3	0.1
170°-180°	3.2	0.0
0°-30°	8427.3	46.8
0°-40°	12322.3	68.5
0°-60°	15520.0	86.2
0°-90°	17165.2	95.4
90°-120°	659.8	3.7
90°-150°	791.9	4.4
90°-180°	830.0	4.6
0°-180°	17995.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11253	
5°	11213	###
15°	10767	3024
25°	9500	4338
35°	6313	3895
45°	2269	1900
55°	1397	1298
65°	1181	1124
75°	315	355
85°	140	123
90°	168	94
95°	241	208
105°	257	268
115°	129	133
125°	62	58
135°	54	41
145°	52	33
155°	49	23
165°	43	12
175°	31	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11253.3
2.5°	11224.6
5°	11212.6
7.5°	11146.8
10°	11039.0
12.5°	10924.0
15°	10767.2
17.5°	10524.1
20°	10216.4
22.5°	9876.3
25°	9500.3
27.5°	9054.9
30°	8320.9
32.5°	7382.1
35°	6312.8
37.5°	5212.4
40°	4129.9
42.5°	3173.2
45°	2269.1
47.5°	1726.7
50°	1458.5
52.5°	1410.6
55°	1397.4
57.5°	1469.2
60°	1553.1
62.5°	1474.0
65°	1180.7
67.5°	837.0
70°	578.4
72.5°	419.1
75°	314.9
77.5°	233.5
80°	179.6
82.5°	149.7
85°	140.1
87.5°	147.3
90°	167.6
92.5°	202.4
95°	240.7
97.5°	276.6
100°	293.4
102.5°	283.8
105°	257.4
107.5°	226.3
110°	194.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	160.5
115°	129.3
117.5°	104.2
120°	83.8
122.5°	70.6
125°	62.3
127.5°	56.3
130°	53.9
132.5°	52.7
135°	53.9
137.5°	53.9
140°	52.7
142.5°	52.7
145°	51.5
147.5°	51.5
150°	50.3
152.5°	50.3
155°	49.1
157.5°	49.1
160°	47.9
162.5°	46.7
165°	43.1
167.5°	39.5
170°	35.9
172.5°	33.5
175°	31.1
177.5°	31.1
180°	29.9

(END OF REPORT)