

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: P1504440

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504440
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-45)
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_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

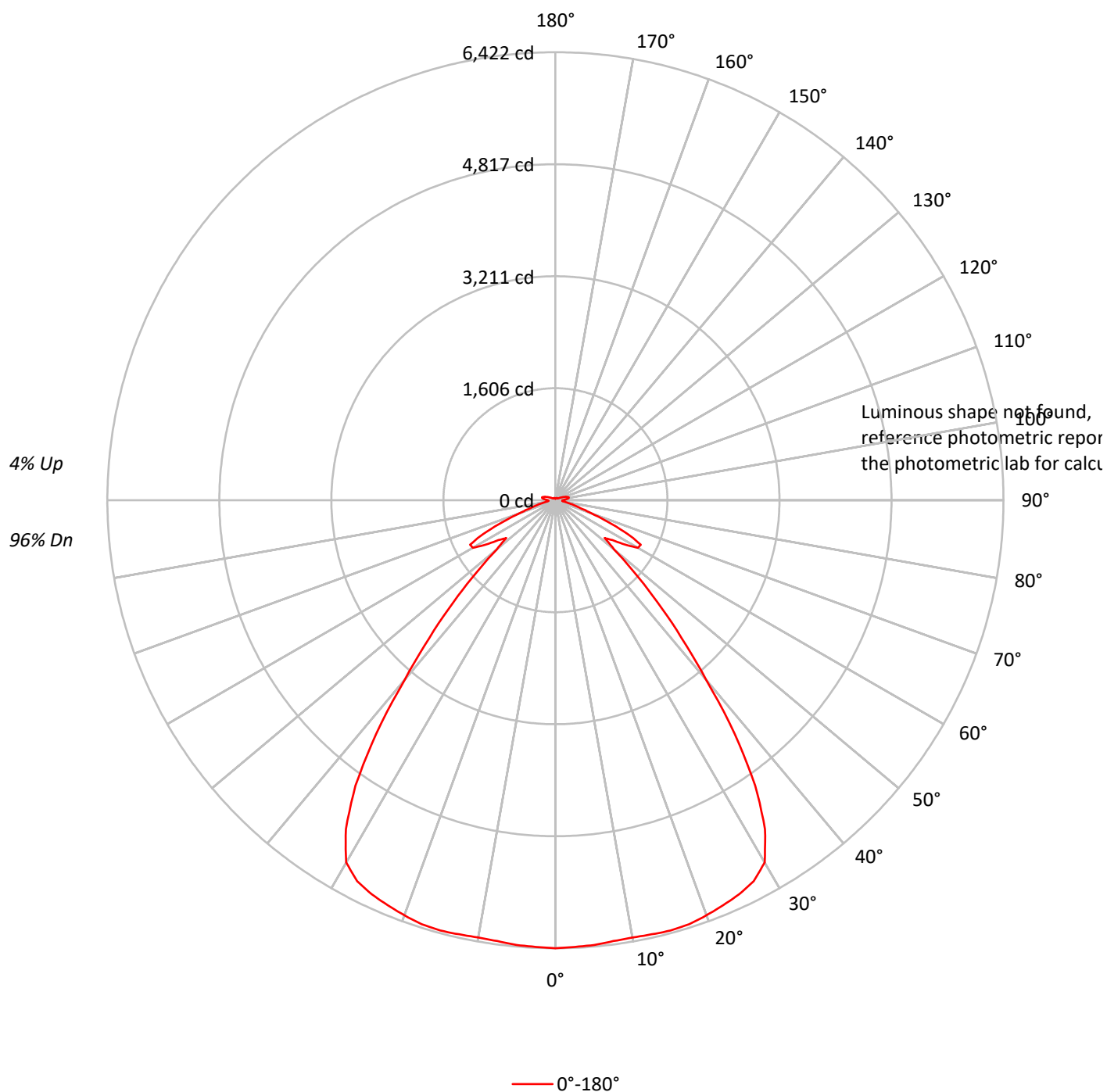
Lumens per Lamp: N/A
Luminaire Lumens: 12974.7 lumens
Efficiency: N/A
Efficacy: 156.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 82.8
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





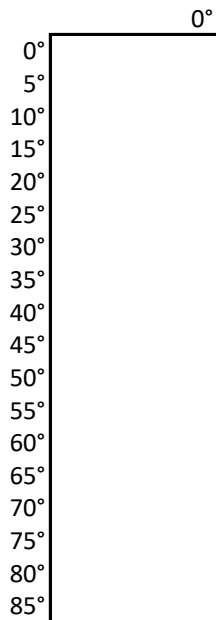
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	98	98			
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	86	86	86	86	84			
2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	79	76	76	76	76	76	74			
3	94	86	79	73	92	84	77	72	80	75	71	77	73	69	74	70	67	67	67	67	67	65			
4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60	60	60	60	60	58			
5	82	70	63	57	79	69	62	57	67	60	56	64	59	55	62	57	54	54	54	54	54	52			
6	76	64	57	51	74	63	56	51	61	55	50	59	54	49	57	52	49	49	49	49	49	47			
7	71	59	52	46	69	58	51	46	56	50	45	55	49	45	53	48	44	44	44	44	44	42			
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	49	44	40	40	40	40	40	39			
9	63	51	43	38	61	50	43	38	49	42	38	47	41	37	46	41	37	37	37	37	37	35			
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	34	34	34	34	32			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	609.4	4.7
10°-20°	1805.3	13.9
20°-30°	2869.6	22.1
30°-40°	3027.5	23.3
40°-50°	1622.3	12.5
50°-60°	966.9	7.5
60°-70°	1059.6	8.2
70°-80°	315.2	2.4
80°-90°	118.0	0.9
90°-100°	166.6	1.3
100°-110°	186.5	1.4
110°-120°	97.5	0.8
120°-130°	44.5	0.3
130°-140°	32.1	0.2
140°-150°	24.9	0.2
150°-160°	17.3	0.1
160°-170°	9.3	0.1
170°-180°	2.4	0.0
0°-30°	5284.3	40.7
0°-40°	8311.8	64.1
0°-60°	10901.0	84.0
0°-90°	12393.9	95.5
90°-120°	450.6	3.5
90°-150°	552.0	4.3
90°-180°	581.0	4.5
0°-180°	12974.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6422	
5°	6400	609
15°	6385	1805
25°	6231	2870
35°	4995	3027
45°	2060	1622
55°	995	967
65°	1142	1060
75°	275	315
85°	98	90
90°	108	60
95°	153	134
105°	181	186
115°	96	97
125°	47	44
135°	41	32
145°	39	25
155°	37	17
165°	32	9
175°	24	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6422.5
2.5°	6408.7
5°	6399.8
7.5°	6373.8
10°	6364.1
12.5°	6373.8
15°	6385.2
17.5°	6371.4
20°	6331.7
22.5°	6283.8
25°	6231.1
27.5°	6155.7
30°	5996.0
32.5°	5590.6
35°	4994.6
37.5°	4221.1
40°	3362.4
42.5°	2673.3
45°	2059.5
47.5°	1539.7
50°	1098.7
52.5°	888.7
55°	994.9
57.5°	1180.5
60°	1365.4
62.5°	1379.2
65°	1142.4
67.5°	815.7
70°	547.3
72.5°	379.5
75°	274.9
77.5°	197.8
80°	143.5
82.5°	111.1
85°	98.1
87.5°	98.1
90°	107.8
92.5°	127.3
95°	153.2
97.5°	179.2
100°	195.4
102.5°	194.6
105°	180.8
107.5°	161.4
110°	139.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	116.8
115°	95.7
117.5°	77.0
120°	63.2
122.5°	54.3
125°	47.0
127.5°	43.8
130°	41.4
132.5°	41.4
135°	41.4
137.5°	41.4
140°	41.4
142.5°	40.5
145°	38.9
147.5°	38.9
150°	38.1
152.5°	38.1
155°	37.3
157.5°	36.5
160°	35.7
162.5°	34.9
165°	32.4
167.5°	30.0
170°	27.6
172.5°	25.1
175°	23.5
177.5°	22.7
180°	21.9

(END OF REPORT)