

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: P1504479

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (6500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504479
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 (6500K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

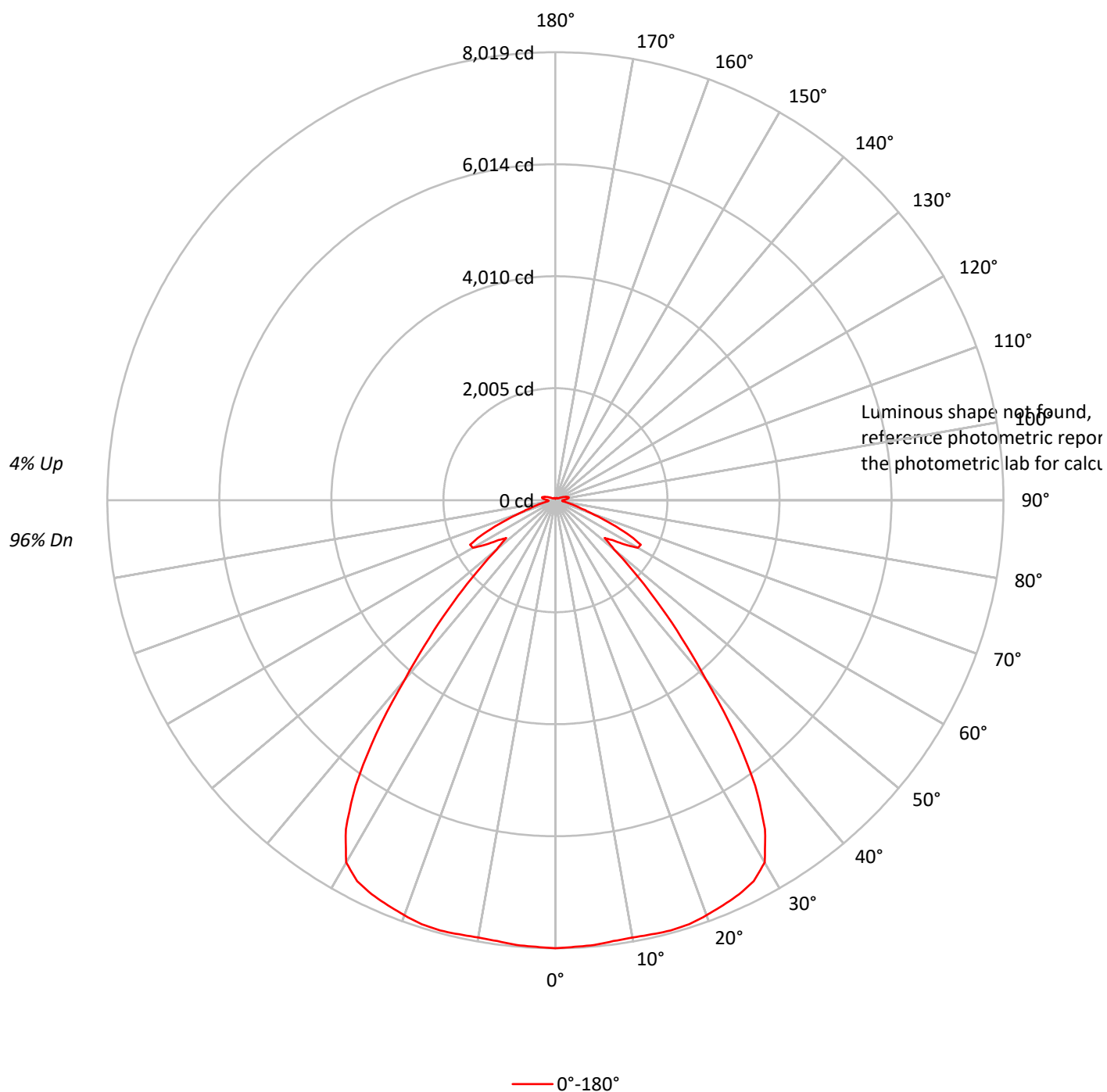
Lumens per Lamp: N/A
Luminaire Lumens: 16200.3 lumens
Efficiency: N/A
Efficacy: 158.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.5
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																				
CR	0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96	
	1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	84	
	2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	79	76	74	
	3	94	86	79	73	92	84	77	72	80	75	71	77	73	69	74	70	67	65	
	4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60	58	
	5	82	70	63	57	79	69	62	57	67	60	56	64	59	55	62	57	54	52	
	6	76	64	57	51	74	63	56	51	61	55	50	59	54	49	57	52	49	47	
	7	71	59	52	46	69	58	51	46	56	50	45	55	49	45	53	48	44	42	
	8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	49	44	40	39	
	9	63	51	43	38	61	50	43	38	49	42	38	47	41	37	46	41	37	35	
	10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	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°	760.9	4.7
10°-20°	2254.1	13.9
20°-30°	3583.1	22.1
30°-40°	3780.1	23.3
40°-50°	2025.6	12.5
50°-60°	1207.3	7.5
60°-70°	1323.0	8.2
70°-80°	393.6	2.4
80°-90°	147.4	0.9
90°-100°	208.0	1.3
100°-110°	232.9	1.4
110°-120°	121.7	0.8
120°-130°	55.5	0.3
130°-140°	40.0	0.2
140°-150°	31.1	0.2
150°-160°	21.6	0.1
160°-170°	11.6	0.1
170°-180°	3.0	0.0
0°-30°	6598.0	40.7
0°-40°	10378.1	64.1
0°-60°	13611.0	84.0
0°-90°	15475.1	95.5
90°-120°	562.6	3.5
90°-150°	689.1	4.3
90°-180°	725.0	4.5
0°-180°	16200.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8019	
5°	7991	761
15°	7973	2254
25°	7780	3583
35°	6236	3780
45°	2572	2026
55°	1242	1207
65°	1426	1323
75°	343	394
85°	122	112
90°	135	75
95°	191	168
105°	226	233
115°	120	122
125°	59	56
135°	52	40
145°	49	31
155°	47	22
165°	40	12
175°	29	3
180°	27	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8019.1
2.5°	8001.9
5°	7990.8
7.5°	7958.4
10°	7946.2
12.5°	7958.4
15°	7972.6
17.5°	7955.4
20°	7905.7
22.5°	7846.0
25°	7780.2
27.5°	7686.1
30°	7486.6
32.5°	6980.4
35°	6236.3
37.5°	5270.5
40°	4198.4
42.5°	3337.8
45°	2571.5
47.5°	1922.5
50°	1371.8
52.5°	1109.6
55°	1242.2
57.5°	1474.0
60°	1704.9
62.5°	1722.1
65°	1426.5
67.5°	1018.5
70°	683.4
72.5°	473.8
75°	343.2
77.5°	247.0
80°	179.2
82.5°	138.7
85°	122.5
87.5°	122.5
90°	134.6
92.5°	158.9
95°	191.3
97.5°	223.7
100°	244.0
102.5°	243.0
105°	225.8
107.5°	201.5
110°	174.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	145.8
115°	119.5
117.5°	96.2
120°	79.0
122.5°	67.8
125°	58.7
127.5°	54.7
130°	51.6
132.5°	51.6
135°	51.6
137.5°	51.6
140°	51.6
142.5°	50.6
145°	48.6
147.5°	48.6
150°	47.6
152.5°	47.6
155°	46.6
157.5°	45.6
160°	44.5
162.5°	43.5
165°	40.5
167.5°	37.5
170°	34.4
172.5°	31.4
175°	29.4
177.5°	28.3
180°	27.3

(END OF REPORT)