

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: P1504482

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (6500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504482
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_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

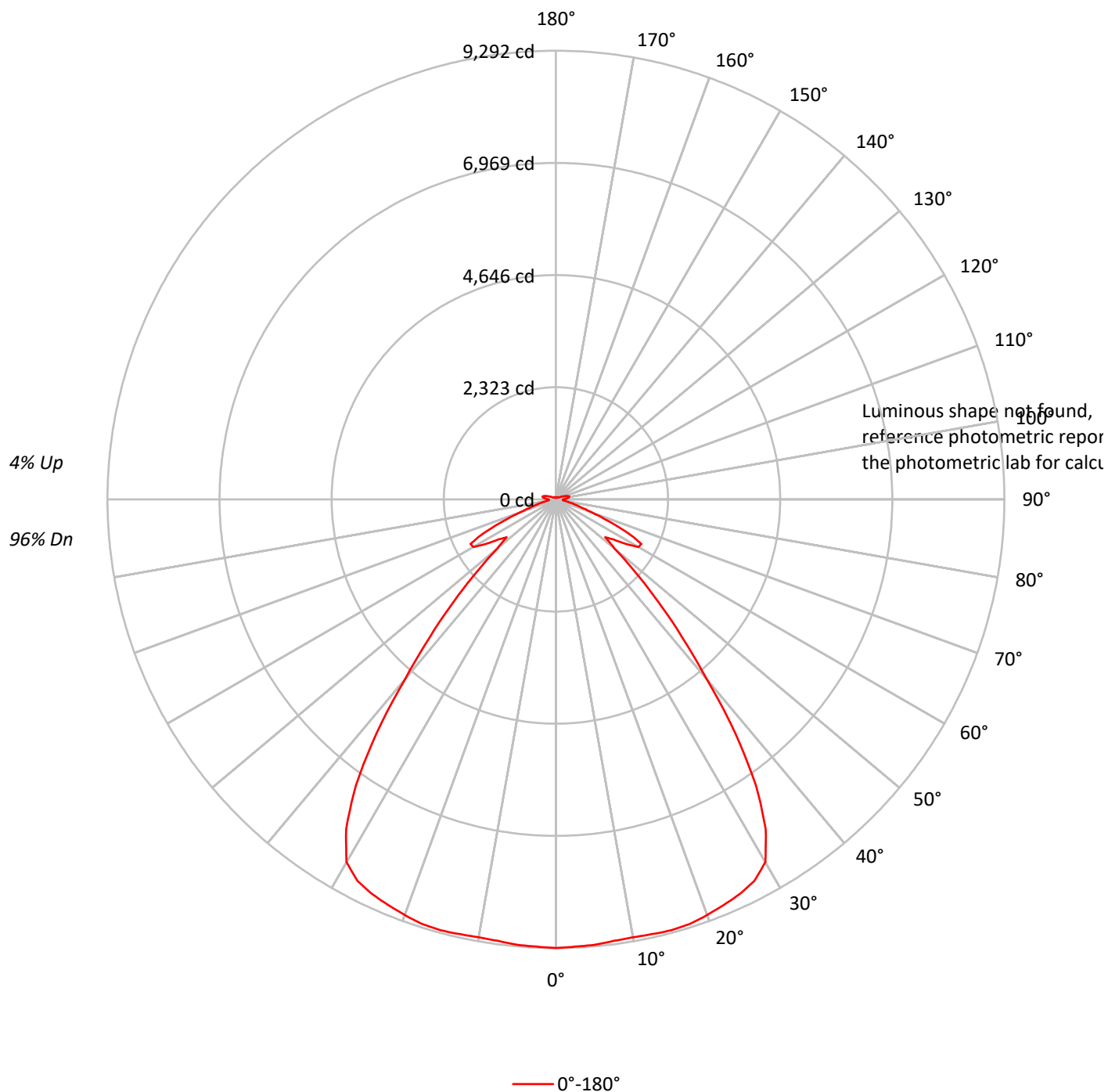
Lumens per Lamp: N/A
Luminaire Lumens: 18771.9 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 123.3
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



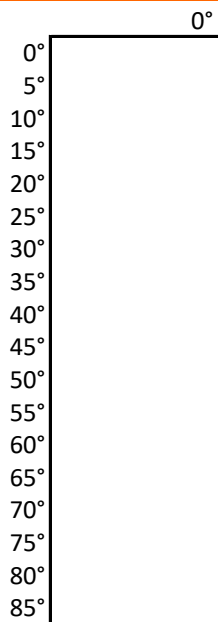
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10
RCR																				
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°	881.7	4.7
10°-20°	2611.9	13.9
20°-30°	4151.9	22.1
30°-40°	4380.2	23.3
40°-50°	2347.2	12.5
50°-60°	1398.9	7.5
60°-70°	1533.0	8.2
70°-80°	456.0	2.4
80°-90°	170.8	0.9
90°-100°	241.1	1.3
100°-110°	269.8	1.4
110°-120°	141.0	0.8
120°-130°	64.3	0.3
130°-140°	46.3	0.2
140°-150°	36.0	0.2
150°-160°	25.0	0.1
160°-170°	13.4	0.1
170°-180°	3.4	0.0
0°-30°	7645.4	40.7
0°-40°	12025.7	64.1
0°-60°	15771.8	84.0
0°-90°	17931.6	95.5
90°-120°	651.9	3.5
90°-150°	798.5	4.3
90°-180°	840.0	4.5
0°-180°	18771.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9292	
5°	9259	882
15°	9238	2612
25°	9015	4152
35°	7226	4380
45°	2980	2347
55°	1439	1399
65°	1653	1533
75°	398	456
85°	142	130
90°	156	87
95°	222	194
105°	262	270
115°	138	141
125°	68	64
135°	60	46
145°	56	36
155°	54	25
165°	47	13
175°	34	3
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9292.2
2.5°	9272.2
5°	9259.3
7.5°	9221.8
10°	9207.7
12.5°	9221.8
15°	9238.2
17.5°	9218.3
20°	9160.8
22.5°	9091.6
25°	9015.3
27.5°	8906.2
30°	8675.1
32.5°	8088.6
35°	7226.3
37.5°	6107.2
40°	4864.9
42.5°	3867.7
45°	2979.7
47.5°	2227.7
50°	1589.6
52.5°	1285.7
55°	1439.4
57.5°	1708.0
60°	1975.5
62.5°	1995.5
65°	1652.9
67.5°	1180.1
70°	791.8
72.5°	549.0
75°	397.7
77.5°	286.2
80°	207.6
82.5°	160.7
85°	141.9
87.5°	141.9
90°	156.0
92.5°	184.2
95°	221.7
97.5°	259.3
100°	282.7
102.5°	281.5
105°	261.6
107.5°	233.4
110°	201.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	168.9
115°	138.4
117.5°	111.4
120°	91.5
122.5°	78.6
125°	68.0
127.5°	63.3
130°	59.8
132.5°	59.8
135°	59.8
137.5°	59.8
140°	59.8
142.5°	58.7
145°	56.3
147.5°	56.3
150°	55.1
152.5°	55.1
155°	54.0
157.5°	52.8
160°	51.6
162.5°	50.4
165°	46.9
167.5°	43.4
170°	39.9
172.5°	36.4
175°	34.0
177.5°	32.8
180°	31.7

(END OF REPORT)