

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: P1504842

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504842
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-57)
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-B-06-CLER-PS (6500K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

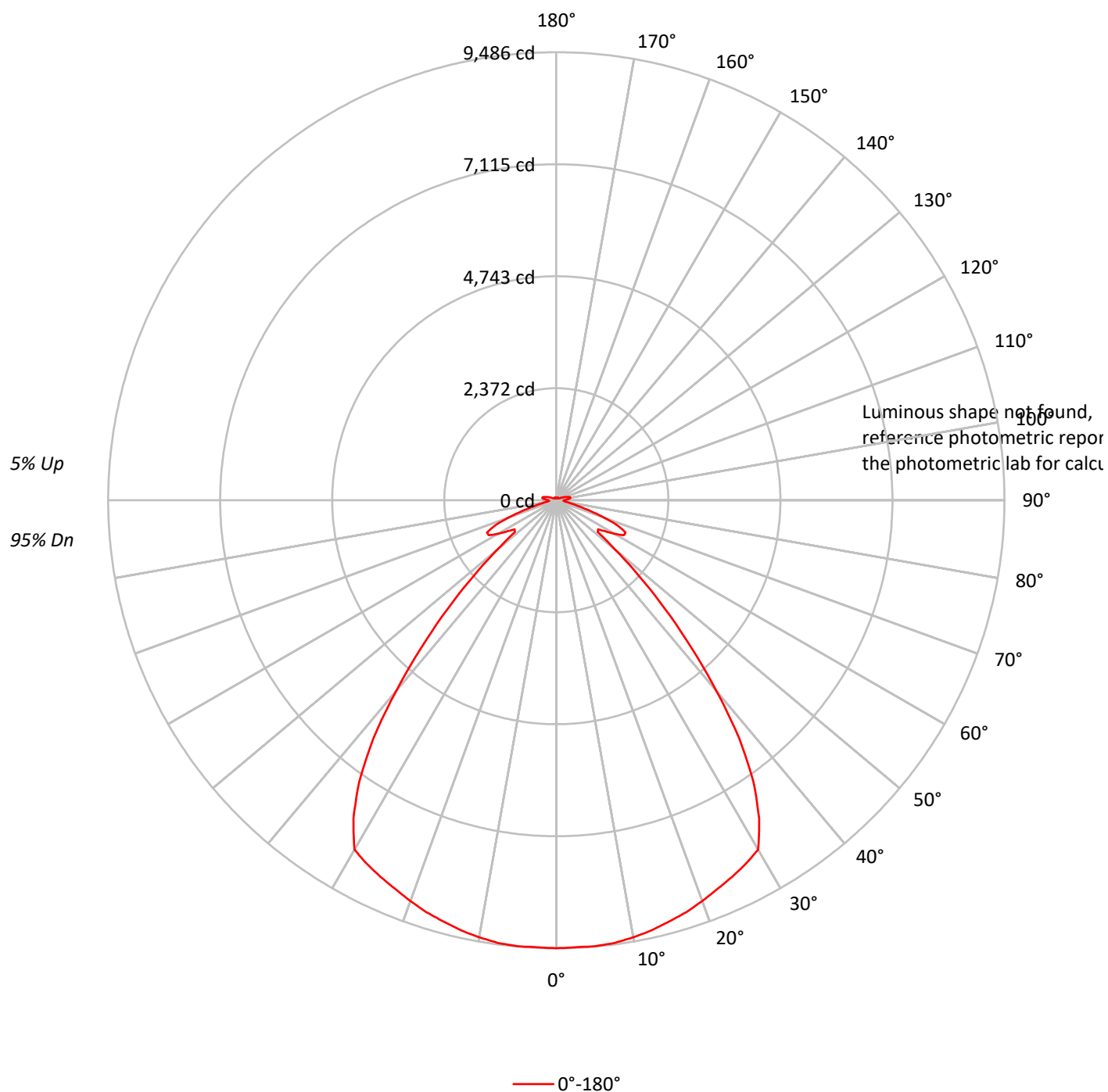
Lumens per Lamp: N/A
Luminaire Lumens: 18760.0 lumens
Efficiency: N/A
Efficacy: 152.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.19
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

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



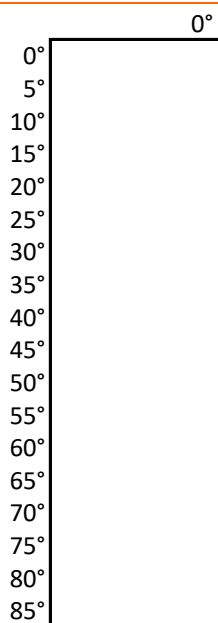
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																				
0	118	118	118	118	115	115	115	115		109	109	109		103	103	103		98	98	98
1	110	106	102	99	107	103	100	97		98	96	93		93	91	90		89	88	86
2	102	95	89	84	99	93	87	83		88	84	81		85	81	78		81	78	76
3	94	85	79	73	92	84	77	72		80	75	70		77	72	69		74	70	67
4	88	77	70	64	85	76	69	64		73	67	62		70	65	61		68	63	60
5	82	71	63	57	79	69	62	57		67	60	56		64	59	55		62	57	54
6	76	65	57	51	74	63	56	51		61	55	50		59	54	49		57	52	49
7	71	59	52	46	69	58	51	46		56	50	45		55	49	45		53	48	44
8	67	55	47	42	65	54	47	42		52	46	41		51	45	41		49	44	40
9	63	51	43	38	61	50	43	38		49	42	38		47	42	37		46	41	37
10	59	47	40	35	58	47	40	35		45	39	35		44	38	34		43	38	34

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	902.1	4.8
10°-20°	2610.9	13.9
20°-30°	4063.9	21.7
30°-40°	4442.1	23.7
40°-50°	2533.4	13.5
50°-60°	1101.1	5.9
60°-70°	1463.8	7.8
70°-80°	584.7	3.1
80°-90°	183.1	1.0
90°-100°	264.1	1.4
100°-110°	276.1	1.5
110°-120°	136.2	0.7
120°-130°	63.8	0.3
130°-140°	50.0	0.3
140°-150°	39.1	0.2
150°-160°	26.3	0.1
160°-170°	15.0	0.1
170°-180°	4.3	0.0
0°-30°	7577.0	40.4
0°-40°	12019.0	64.1
0°-60°	15653.5	83.4
0°-90°	17885.1	95.3
90°-120°	676.4	3.6
90°-150°	829.3	4.4
90°-180°	875.0	4.7
0°-180°	18760.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9486	
5°	9478	902
15°	9234	2611
25°	8798	4064
35°	7272	4442
45°	3258	2533
55°	1076	1101
65°	1619	1464
75°	492	585
85°	152	140
90°	167	94
95°	245	214
105°	266	276
115°	133	136
125°	68	64
135°	64	50
145°	62	39
155°	56	26
165°	53	15
175°	45	4
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9485.7
2.5°	9471.7
5°	9477.5
7.5°	9454.1
10°	9395.4
12.5°	9326.2
15°	9233.5
17.5°	9144.4
20°	9030.6
22.5°	8909.7
25°	8798.3
27.5°	8681.0
30°	8542.6
32.5°	7991.2
35°	7272.1
37.5°	6362.9
40°	5281.3
42.5°	4212.6
45°	3257.7
47.5°	2369.7
50°	1610.7
52.5°	1106.2
55°	1075.7
57.5°	1214.2
60°	1418.3
62.5°	1611.8
65°	1618.9
67.5°	1420.6
70°	1093.3
72.5°	748.4
75°	491.5
77.5°	325.0
80°	224.1
82.5°	172.4
85°	152.5
87.5°	151.3
90°	166.6
92.5°	201.8
95°	245.2
97.5°	286.2
100°	305.0
102.5°	295.6
105°	266.3
107.5°	229.9
110°	195.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	163.1
115°	132.6
117.5°	107.9
120°	89.2
122.5°	76.3
125°	68.0
127.5°	63.3
130°	62.2
132.5°	63.3
135°	64.5
137.5°	66.9
140°	65.7
142.5°	64.5
145°	62.2
147.5°	59.8
150°	57.5
152.5°	57.5
155°	56.3
157.5°	56.3
160°	56.3
162.5°	55.1
165°	52.8
167.5°	50.4
170°	46.9
172.5°	44.6
175°	44.6
177.5°	45.8
180°	45.8

(END OF REPORT)