

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: P1504455

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504455
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 (3500K_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

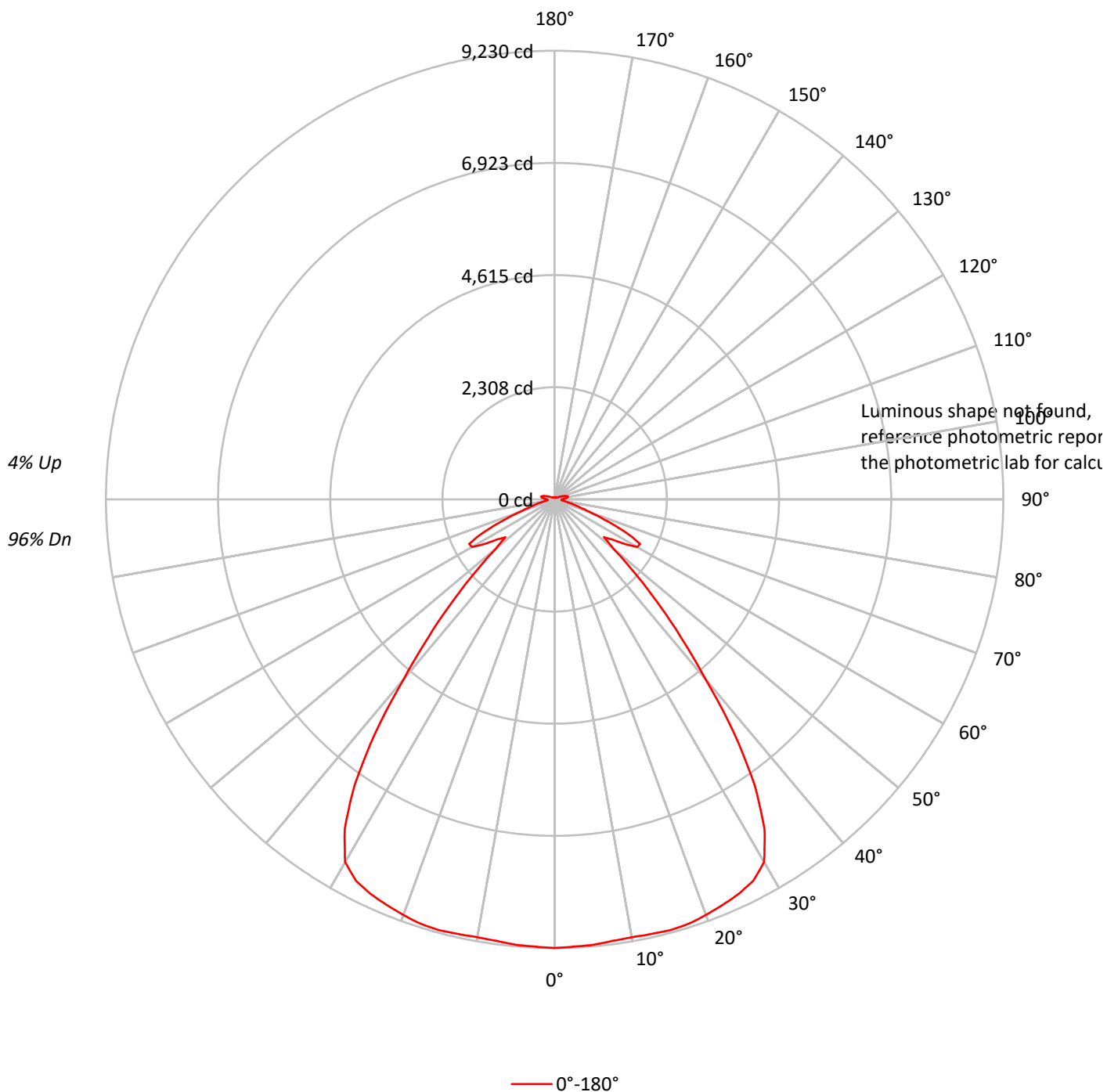
Lumens per Lamp: N/A
Luminaire Lumens: 18645.8 lumens
Efficiency: N/A
Efficacy: 154.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 120.7
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



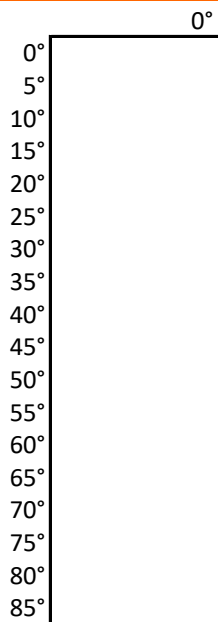
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
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°	875.8	4.7
10°-20°	2594.3	13.9
20°-30°	4123.9	22.1
30°-40°	4350.8	23.3
40°-50°	2331.4	12.5
50°-60°	1389.5	7.5
60°-70°	1522.7	8.2
70°-80°	453.0	2.4
80°-90°	169.6	0.9
90°-100°	239.4	1.3
100°-110°	268.0	1.4
110°-120°	140.1	0.8
120°-130°	63.9	0.3
130°-140°	46.0	0.2
140°-150°	35.7	0.2
150°-160°	24.8	0.1
160°-170°	13.3	0.1
170°-180°	3.4	0.0
0°-30°	7594.0	40.7
0°-40°	11944.8	64.1
0°-60°	15665.8	84.0
0°-90°	17811.1	95.5
90°-120°	647.5	3.5
90°-150°	793.2	4.3
90°-180°	835.0	4.5
0°-180°	18645.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9230	
5°	9197	876
15°	9176	2594
25°	8955	4124
35°	7178	4351
45°	2960	2331
55°	1430	1390
65°	1642	1523
75°	395	453
85°	141	129
90°	155	87
95°	220	193
105°	260	268
115°	138	140
125°	68	64
135°	59	46
145°	56	36
155°	54	25
165°	47	13
175°	34	3
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9229.7
2.5°	9209.9
5°	9197.1
7.5°	9159.8
10°	9145.8
12.5°	9159.8
15°	9176.1
17.5°	9156.3
20°	9099.2
22.5°	9030.4
25°	8954.7
27.5°	8846.3
30°	8616.8
32.5°	8034.2
35°	7177.7
37.5°	6066.1
40°	4832.2
42.5°	3841.7
45°	2959.7
47.5°	2212.7
50°	1578.9
52.5°	1277.1
55°	1429.7
57.5°	1696.6
60°	1962.2
62.5°	1982.0
65°	1641.8
67.5°	1172.2
70°	786.5
72.5°	545.3
75°	395.0
77.5°	284.3
80°	206.2
82.5°	159.6
85°	141.0
87.5°	141.0
90°	155.0
92.5°	182.9
95°	220.2
97.5°	257.5
100°	280.8
102.5°	279.7
105°	259.8
107.5°	231.9
110°	200.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	167.8
115°	137.5
117.5°	110.7
120°	90.9
122.5°	78.1
125°	67.6
127.5°	62.9
130°	59.4
132.5°	59.4
135°	59.4
137.5°	59.4
140°	59.4
142.5°	58.3
145°	55.9
147.5°	55.9
150°	54.8
152.5°	54.8
155°	53.6
157.5°	52.4
160°	51.3
162.5°	50.1
165°	46.6
167.5°	43.1
170°	39.6
172.5°	36.1
175°	33.8
177.5°	32.6
180°	31.5

(END OF REPORT)