

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: P1504447

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504447
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-44)
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_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

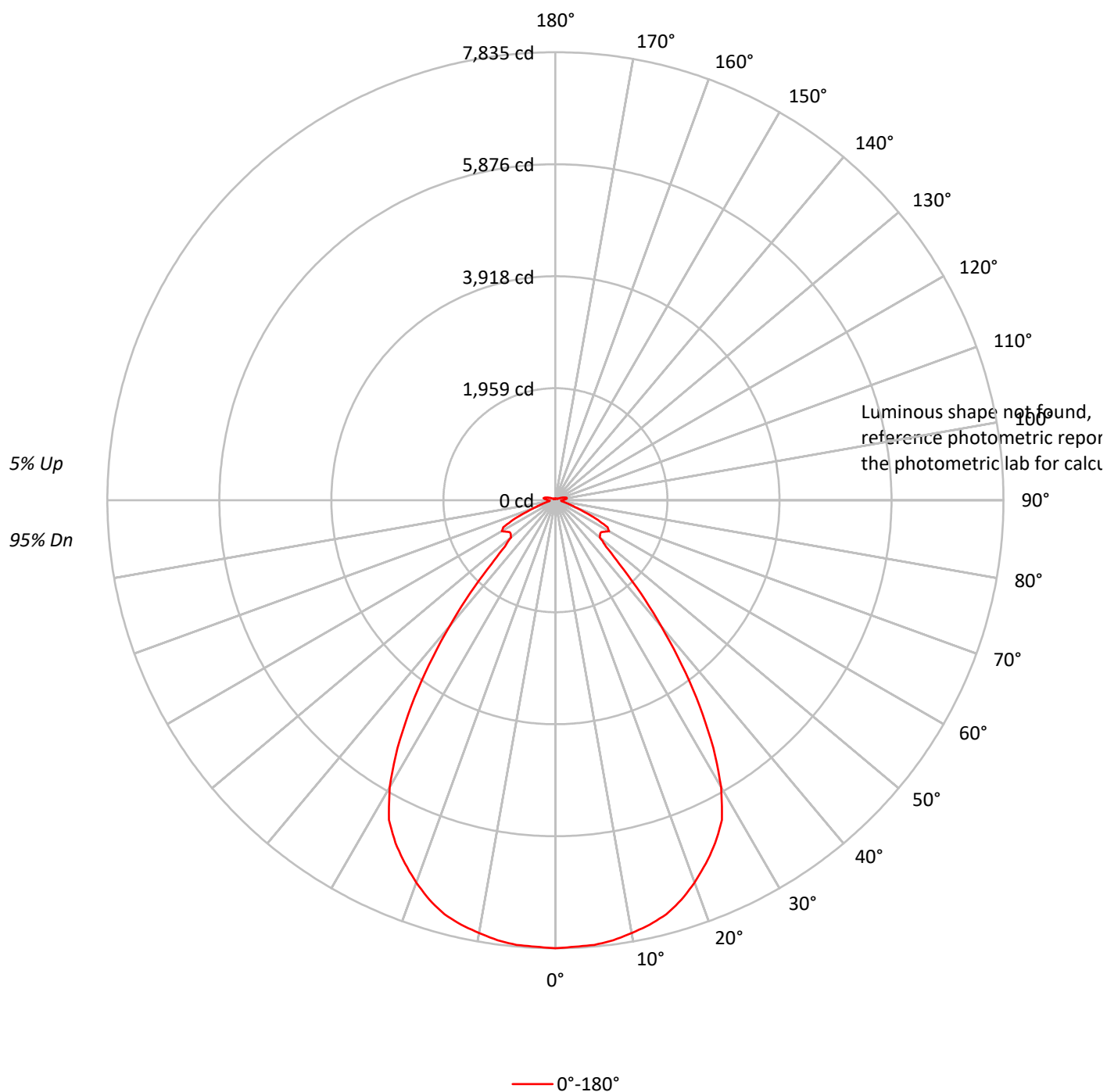
Lumens per Lamp: N/A
Luminaire Lumens: 12529.2 lumens
Efficiency: N/A
Efficacy: 153.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 81.7
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



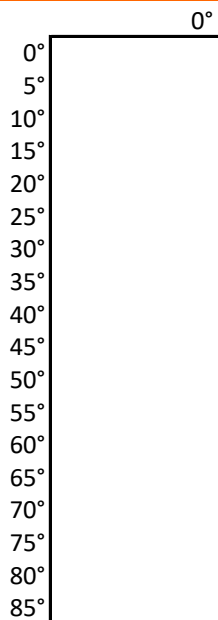
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	95
1	110	107	103	100	107	104	101	98	99	97	94	94	92	91	90	89	87	85
2	103	96	91	86	100	94	89	85	90	86	82	86	83	80	83	80	78	75
3	96	87	81	76	93	85	79	75	82	77	73	79	75	71	76	72	69	67
4	89	80	72	67	87	78	71	66	75	69	65	72	68	64	70	66	62	61
5	83	73	65	60	81	72	65	60	69	63	59	67	62	58	65	60	57	55
6	78	67	60	54	76	66	59	54	64	58	53	62	56	52	60	55	52	50
7	73	62	55	49	71	61	54	49	59	53	48	57	52	48	56	51	47	46
8	69	57	50	45	67	57	50	45	55	49	45	54	48	44	52	47	44	42
9	65	53	46	42	63	53	46	41	51	45	41	50	45	41	49	44	40	39
10	61	50	43	39	60	49	43	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	741.2	5.9
10°-20°	2105.7	16.8
20°-30°	3020.5	24.1
30°-40°	2711.9	21.6
40°-50°	1322.7	10.6
50°-60°	903.7	7.2
60°-70°	782.6	6.2
70°-80°	246.9	2.0
80°-90°	115.9	0.9
90°-100°	180.3	1.4
100°-110°	186.5	1.5
110°-120°	92.5	0.7
120°-130°	40.5	0.3
130°-140°	28.8	0.2
140°-150°	22.7	0.2
150°-160°	15.9	0.1
160°-170°	8.6	0.1
170°-180°	2.2	0.0
0°-30°	5867.4	46.8
0°-40°	8579.4	68.5
0°-60°	10805.7	86.2
0°-90°	11951.2	95.4
90°-120°	459.4	3.7
90°-150°	551.3	4.4
90°-180°	578.0	4.6
0°-180°	12529.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7835	
5°	7807	741
15°	7497	2106
25°	6615	3020
35°	4395	2712
45°	1580	1323
55°	973	904
65°	822	783
75°	219	247
85°	98	86
90°	117	65
95°	168	145
105°	179	187
115°	90	93
125°	43	40
135°	38	29
145°	36	23
155°	34	16
165°	30	9
175°	22	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7835.1
2.5°	7815.1
5°	7806.7
7.5°	7760.9
10°	7685.9
12.5°	7605.8
15°	7496.6
17.5°	7327.4
20°	7113.1
22.5°	6876.3
25°	6614.6
27.5°	6304.4
30°	5793.4
32.5°	5139.7
35°	4395.3
37.5°	3629.1
40°	2875.4
42.5°	2209.3
45°	1579.9
47.5°	1202.2
50°	1015.4
52.5°	982.1
55°	972.9
57.5°	1022.9
60°	1081.3
62.5°	1026.3
65°	822.0
67.5°	582.8
70°	402.7
72.5°	291.8
75°	219.3
77.5°	162.6
80°	125.1
82.5°	104.2
85°	97.5
87.5°	102.5
90°	116.7
92.5°	140.9
95°	167.6
97.5°	192.6
100°	204.3
102.5°	197.6
105°	179.2
107.5°	157.6
110°	135.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	111.7
115°	90.0
117.5°	72.5
120°	58.4
122.5°	49.2
125°	43.4
127.5°	39.2
130°	37.5
132.5°	36.7
135°	37.5
137.5°	37.5
140°	36.7
142.5°	36.7
145°	35.8
147.5°	35.8
150°	35.0
152.5°	35.0
155°	34.2
157.5°	34.2
160°	33.3
162.5°	32.5
165°	30.0
167.5°	27.5
170°	25.0
172.5°	23.3
175°	21.7
177.5°	21.7
180°	20.8

(END OF REPORT)