

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: P1504458

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (4000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504458
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 (4000K_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

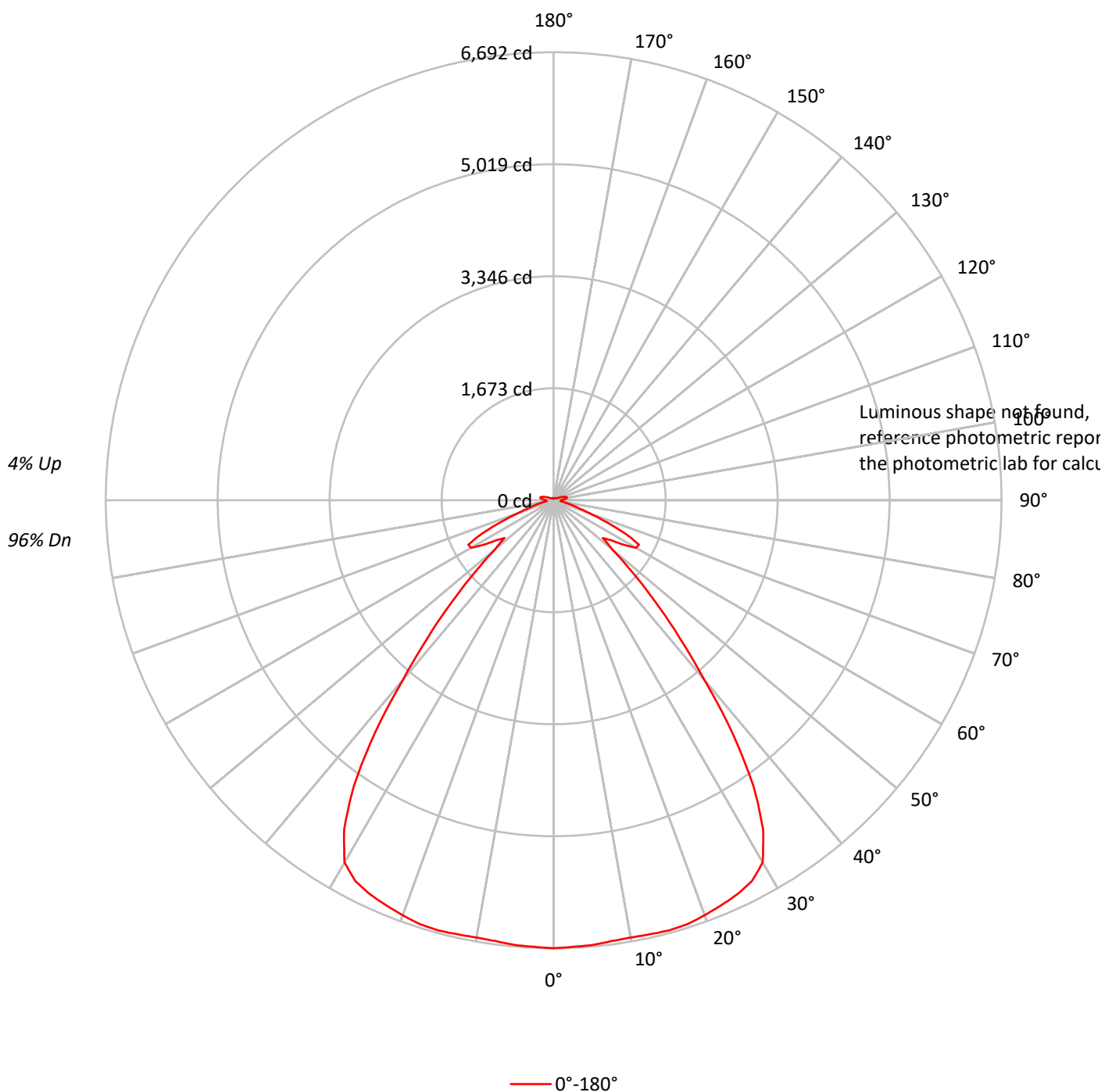
Lumens per Lamp: N/A
Luminaire Lumens: 13519.1 lumens
Efficiency: N/A
Efficacy: 167.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 80.7
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



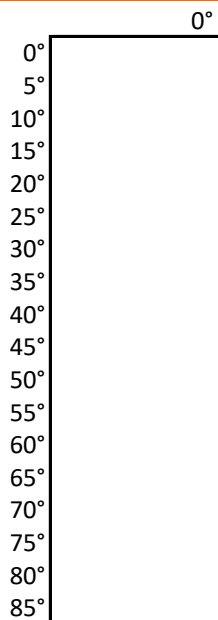
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	635.0	4.7
10°-20°	1881.0	13.9
20°-30°	2990.0	22.1
30°-40°	3154.5	23.3
40°-50°	1690.4	12.5
50°-60°	1007.5	7.5
60°-70°	1104.1	8.2
70°-80°	328.4	2.4
80°-90°	123.0	0.9
90°-100°	173.6	1.3
100°-110°	194.3	1.4
110°-120°	101.6	0.8
120°-130°	46.3	0.3
130°-140°	33.4	0.2
140°-150°	25.9	0.2
150°-160°	18.0	0.1
160°-170°	9.7	0.1
170°-180°	2.5	0.0
0°-30°	5506.0	40.7
0°-40°	8660.5	64.1
0°-60°	11358.3	84.0
0°-90°	12913.8	95.5
90°-120°	469.5	3.5
90°-150°	575.1	4.3
90°-180°	605.0	4.5
0°-180°	13519.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6692	
5°	6668	635
15°	6653	1881
25°	6492	2990
35°	5204	3155
45°	2146	1690
55°	1037	1007
65°	1190	1104
75°	286	328
85°	102	94
90°	112	63
95°	160	140
105°	188	194
115°	100	102
125°	49	46
135°	43	33
145°	41	26
155°	39	18
165°	34	10
175°	24	2
180°	23	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6691.9
2.5°	6677.6
5°	6668.3
7.5°	6641.2
10°	6631.1
12.5°	6641.2
15°	6653.1
17.5°	6638.7
20°	6597.3
22.5°	6547.5
25°	6492.5
27.5°	6414.0
30°	6247.5
32.5°	5825.1
35°	5204.2
37.5°	4398.2
40°	3503.5
42.5°	2785.4
45°	2145.9
47.5°	1604.3
50°	1144.7
52.5°	925.9
55°	1036.6
57.5°	1230.1
60°	1422.7
62.5°	1437.1
65°	1190.4
67.5°	849.9
70°	570.3
72.5°	395.4
75°	286.4
77.5°	206.1
80°	149.5
82.5°	115.7
85°	102.2
87.5°	102.2
90°	112.4
92.5°	132.6
95°	159.7
97.5°	186.7
100°	203.6
102.5°	202.8
105°	188.4
107.5°	168.1
110°	145.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	121.7
115°	99.7
117.5°	80.3
120°	65.9
122.5°	56.6
125°	49.0
127.5°	45.6
130°	43.1
132.5°	43.1
135°	43.1
137.5°	43.1
140°	43.1
142.5°	42.2
145°	40.6
147.5°	40.6
150°	39.7
152.5°	39.7
155°	38.9
157.5°	38.0
160°	37.2
162.5°	36.3
165°	33.8
167.5°	31.3
170°	28.7
172.5°	26.2
175°	24.5
177.5°	23.7
180°	22.8

(END OF REPORT)