

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: P1504467

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (5000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504467
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 (5000K_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

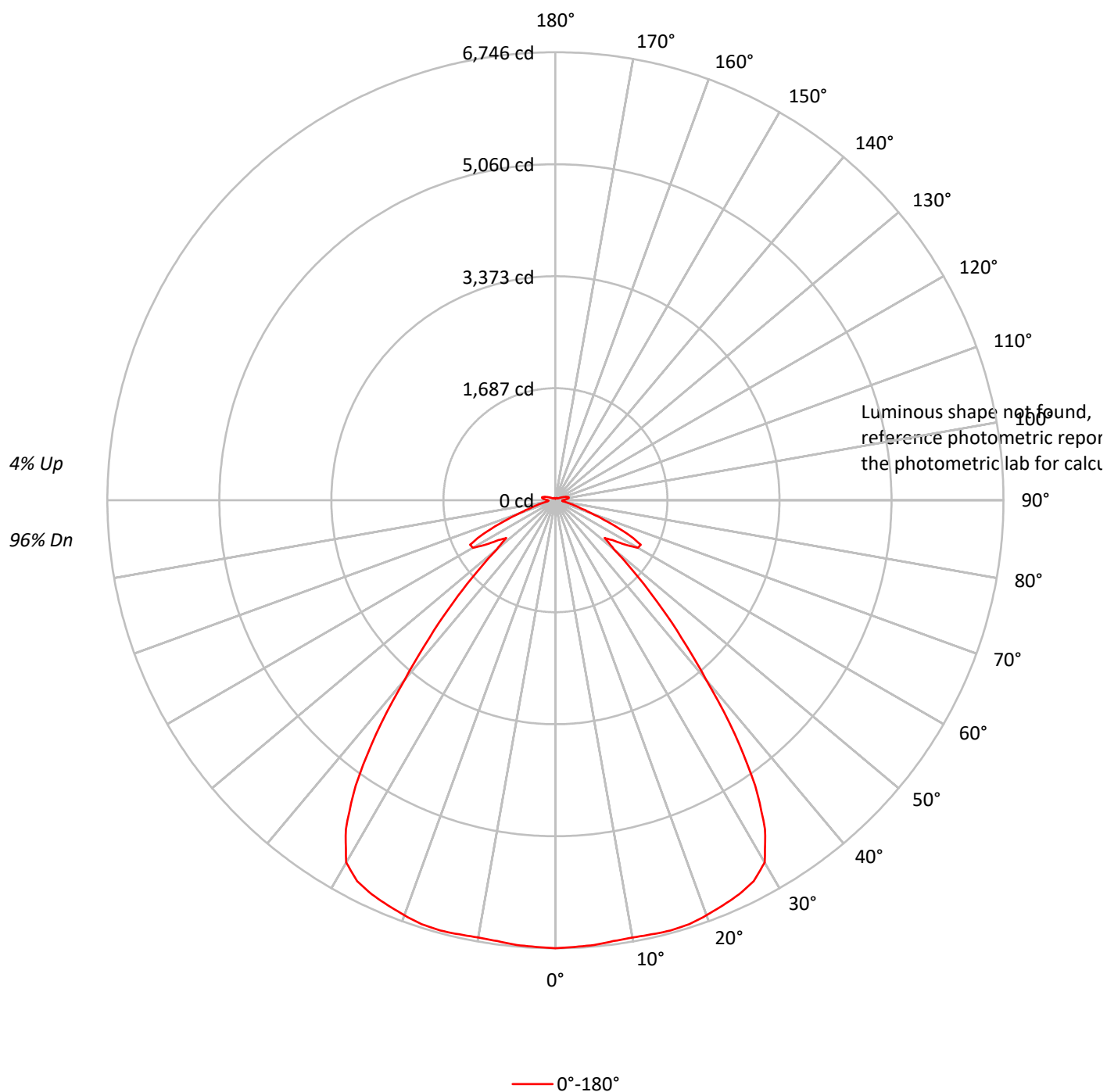
Lumens per Lamp: N/A
Luminaire Lumens: 13628.7 lumens
Efficiency: N/A
Efficacy: 168.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 81.1
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



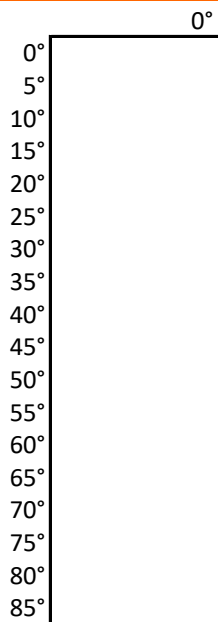
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	640.1	4.7
10°-20°	1896.3	13.9
20°-30°	3014.3	22.1
30°-40°	3180.1	23.3
40°-50°	1704.1	12.5
50°-60°	1015.6	7.5
60°-70°	1113.0	8.2
70°-80°	331.1	2.4
80°-90°	124.0	0.9
90°-100°	175.0	1.3
100°-110°	195.9	1.4
110°-120°	102.4	0.8
120°-130°	46.7	0.3
130°-140°	33.6	0.2
140°-150°	26.1	0.2
150°-160°	18.1	0.1
160°-170°	9.7	0.1
170°-180°	2.5	0.0
0°-30°	5550.7	40.7
0°-40°	8730.8	64.1
0°-60°	11450.5	84.0
0°-90°	13018.6	95.5
90°-120°	473.3	3.5
90°-150°	579.7	4.3
90°-180°	610.0	4.5
0°-180°	13628.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6746	
5°	6722	640
15°	6707	1896
25°	6545	3014
35°	5246	3180
45°	2163	1704
55°	1045	1016
65°	1200	1113
75°	289	331
85°	103	94
90°	113	64
95°	161	141
105°	190	196
115°	100	102
125°	49	47
135°	43	34
145°	41	26
155°	39	18
165°	34	10
175°	25	2
180°	23	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6746.2
2.5°	6731.8
5°	6722.4
7.5°	6695.1
10°	6684.9
12.5°	6695.1
15°	6707.1
17.5°	6692.6
20°	6650.8
22.5°	6600.6
25°	6545.2
27.5°	6466.0
30°	6298.2
32.5°	5872.4
35°	5246.4
37.5°	4433.9
40°	3532.0
42.5°	2808.0
45°	2163.3
47.5°	1617.4
50°	1154.0
52.5°	933.5
55°	1045.0
57.5°	1240.1
60°	1434.2
62.5°	1448.7
65°	1200.0
67.5°	856.8
70°	574.9
72.5°	398.6
75°	288.7
77.5°	207.8
80°	150.7
82.5°	116.7
85°	103.1
87.5°	103.1
90°	113.3
92.5°	133.7
95°	161.0
97.5°	188.2
100°	205.3
102.5°	204.4
105°	189.9
107.5°	169.5
110°	146.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	122.6
115°	100.5
117.5°	80.9
120°	66.4
122.5°	57.1
125°	49.4
127.5°	46.0
130°	43.4
132.5°	43.4
135°	43.4
137.5°	43.4
140°	43.4
142.5°	42.6
145°	40.9
147.5°	40.9
150°	40.0
152.5°	40.0
155°	39.2
157.5°	38.3
160°	37.5
162.5°	36.6
165°	34.1
167.5°	31.5
170°	29.0
172.5°	26.4
175°	24.7
177.5°	23.8
180°	23.0

(END OF REPORT)