

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: P1504522

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (6500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504522
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-50)
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-TRWH-PS (6500K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

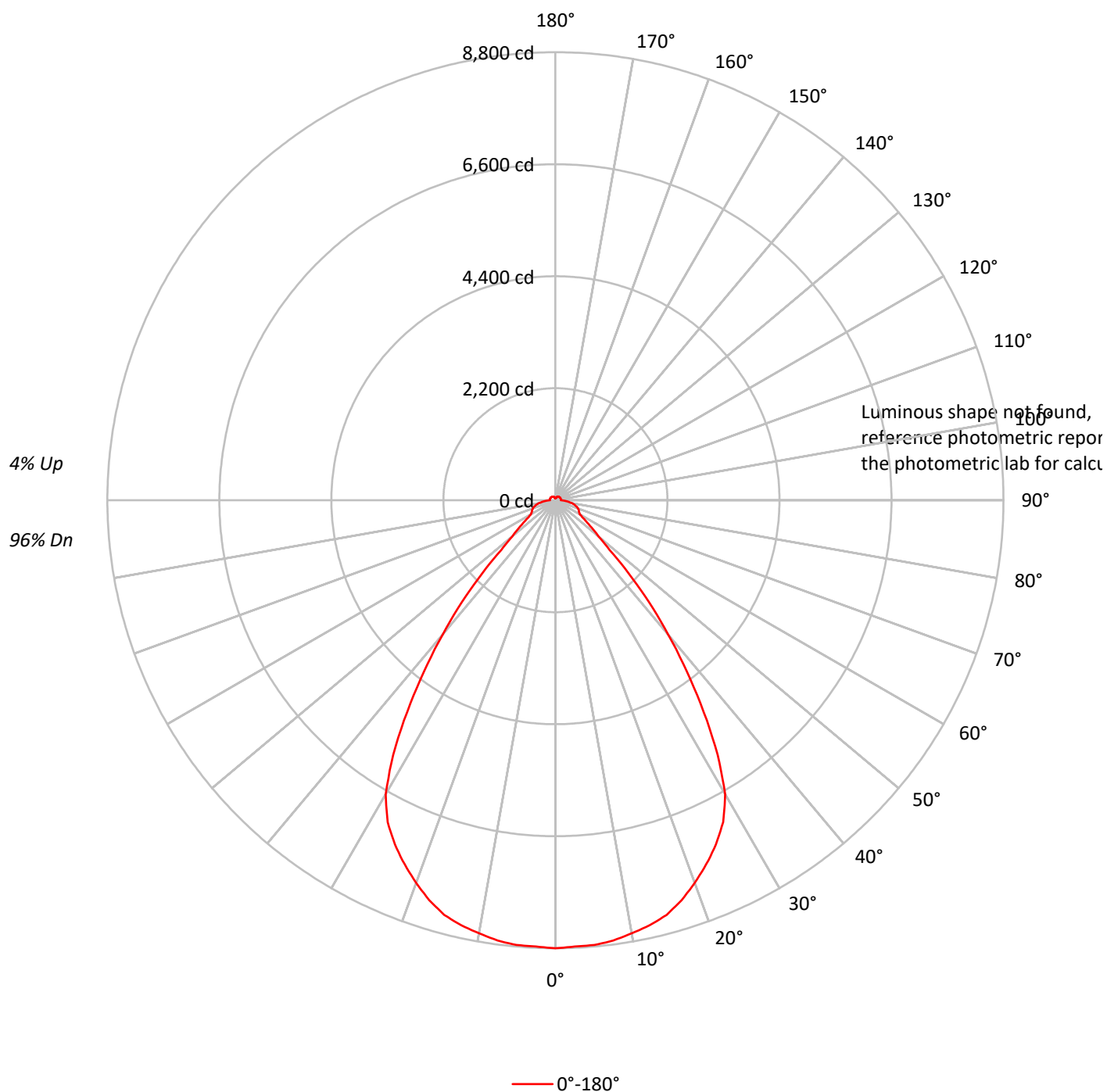
Lumens per Lamp: N/A
Luminaire Lumens: 13856.3 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.5
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





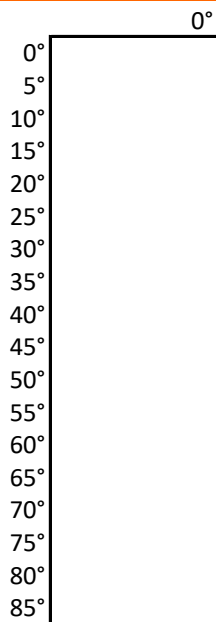
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	98	98			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	87	87	87	87	85			
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78	78	78	78	78	76			
3	96	88	81	76	93	86	80	75	82	77	73	79	75	72	76	73	70	70	70	70	70	68			
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	63	63	63	63	61			
5	84	74	66	61	82	72	66	60	70	64	59	68	63	59	65	61	58	58	58	58	58	56			
6	79	68	61	55	77	67	60	55	65	59	54	63	57	53	61	56	53	53	53	53	53	51			
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	48	48	48	48	47			
8	70	58	51	46	68	57	51	46	56	50	45	54	49	45	53	48	45	45	45	45	45	43			
9	66	54	47	43	64	54	47	42	52	46	42	51	45	42	50	45	41	41	41	41	41	40			
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	38	38	38	38	37			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	832.8	6.0
10°-20°	2367.6	17.1
20°-30°	3415.1	24.6
30°-40°	3148.9	22.7
40°-50°	1613.9	11.6
50°-60°	700.6	5.1
60°-70°	507.0	3.7
70°-80°	427.8	3.1
80°-90°	235.1	1.7
90°-100°	117.4	0.8
100°-110°	114.4	0.8
110°-120°	104.6	0.8
120°-130°	90.0	0.6
130°-140°	72.6	0.5
140°-150°	54.2	0.4
150°-160°	34.4	0.2
160°-170°	16.1	0.1
170°-180°	3.9	0.0
0°-30°	6615.5	47.7
0°-40°	9764.3	70.5
0°-60°	12078.8	87.2
0°-90°	13248.6	95.6
90°-120°	336.5	2.4
90°-150°	553.2	4.0
90°-180°	608.0	4.4
0°-180°	13856.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8800	
5°	8769	833
15°	8432	2368
25°	7460	3415
35°	5079	3149
45°	2025	1614
55°	762	701
65°	509	507
75°	409	428
85°	217	198
90°	108	66
95°	107	88
105°	108	114
115°	105	105
125°	101	90
135°	94	73
145°	86	54
155°	74	34
165°	55	16
175°	39	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8799.9
2.5°	8773.8
5°	8768.9
7.5°	8722.5
10°	8635.5
12.5°	8552.3
15°	8431.5
17.5°	8238.1
20°	7998.3
22.5°	7740.1
25°	7459.7
27.5°	7131.0
30°	6665.9
32.5°	5931.0
35°	5079.2
37.5°	4239.9
40°	3446.1
42.5°	2720.9
45°	2024.7
47.5°	1445.5
50°	1108.1
52.5°	918.6
55°	761.9
57.5°	632.4
60°	556.0
62.5°	527.9
65°	508.6
67.5°	494.1
70°	472.8
72.5°	444.8
75°	409.0
77.5°	368.4
80°	322.0
82.5°	271.7
85°	216.6
87.5°	159.5
90°	108.3
92.5°	106.4
95°	107.3
97.5°	108.3
100°	108.3
102.5°	108.3
105°	108.3
107.5°	108.3
110°	107.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	106.4
115°	105.4
117.5°	104.4
120°	103.5
122.5°	101.5
125°	100.6
127.5°	98.6
130°	96.7
132.5°	95.7
135°	93.8
137.5°	91.9
140°	89.9
142.5°	88.0
145°	86.1
147.5°	84.1
150°	82.2
152.5°	78.3
155°	73.5
157.5°	69.6
160°	65.7
162.5°	60.9
165°	55.1
167.5°	51.2
170°	46.4
172.5°	41.6
175°	38.7
177.5°	36.7
180°	36.7

(END OF REPORT)