

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: P1504350

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504350
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: Pentalux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3000K_L12_Wide_120V)
Description: Pentalux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

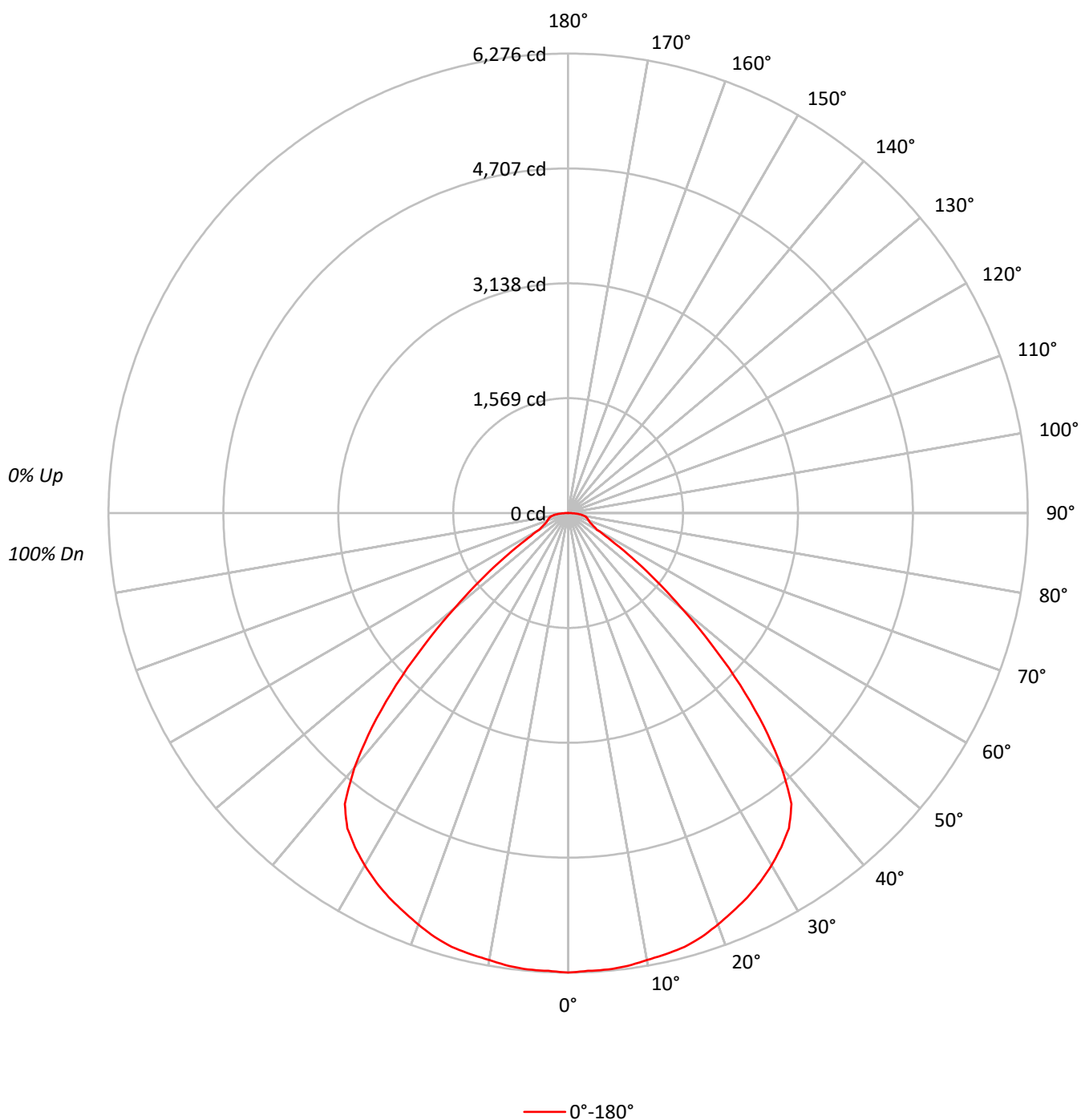
Lumens per Lamp: N/A
Luminaire Lumens: 12541.6 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 82.8
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50		
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45		
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41		
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37		
10	60	48	41	36	59	47	40	36	46	40	36	45	40	36	45	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57315
5°	57371
10°	57493
15°	58011
20°	58133
25°	58354
30°	58581
35°	58597
40°	54075
45°	42895
50°	28743
55°	16926
60°	8278
65°	7587
70°	7989
75°	9527
80°	11729
85°	14356

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42895 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	595.5	4.7
10°-20°	1730.7	13.8
20°-30°	2670.5	21.3
30°-40°	3243.3	25.9
40°-50°	2531.9	20.2
50°-60°	994.4	7.9
60°-70°	355.8	2.8
70°-80°	281.5	2.2
80°-90°	138.1	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4996.7	39.8
0°-40°	8240.0	65.7
0°-60°	11766.3	93.8
0°-90°	12541.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12541.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6276	
5°	6258	595
15°	6135	1731
25°	5791	2670
35°	5256	3243
45°	3321	2532
55°	1063	994
65°	351	356
75°	270	282
85°	137	138
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6275.7
2.5°	6258.7
5°	6257.9
7.5°	6238.4
10°	6199.5
12.5°	6169.5
15°	6135.4
17.5°	6069.8
20°	5981.4
22.5°	5885.7
25°	5790.8
27.5°	5682.2
30°	5554.9
32.5°	5413.8
35°	5255.7
37.5°	5009.2
40°	4535.7
42.5°	3961.6
45°	3321.1
47.5°	2654.6
50°	2023.0
52.5°	1503.3
55°	1063.0
57.5°	690.0
60°	453.2
62.5°	394.1
65°	351.1
67.5°	316.2
70°	299.2
72.5°	283.0
75°	270.0
77.5°	251.4
80°	223.0
82.5°	187.3
85°	137.0
87.5°	71.4
90°	0.0

(END OF REPORT)