

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: P1504581

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (3000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504581
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-30)
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-B-04-BLAK-PS (3000K_L18_Wide_120V)
Description: Pentalux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

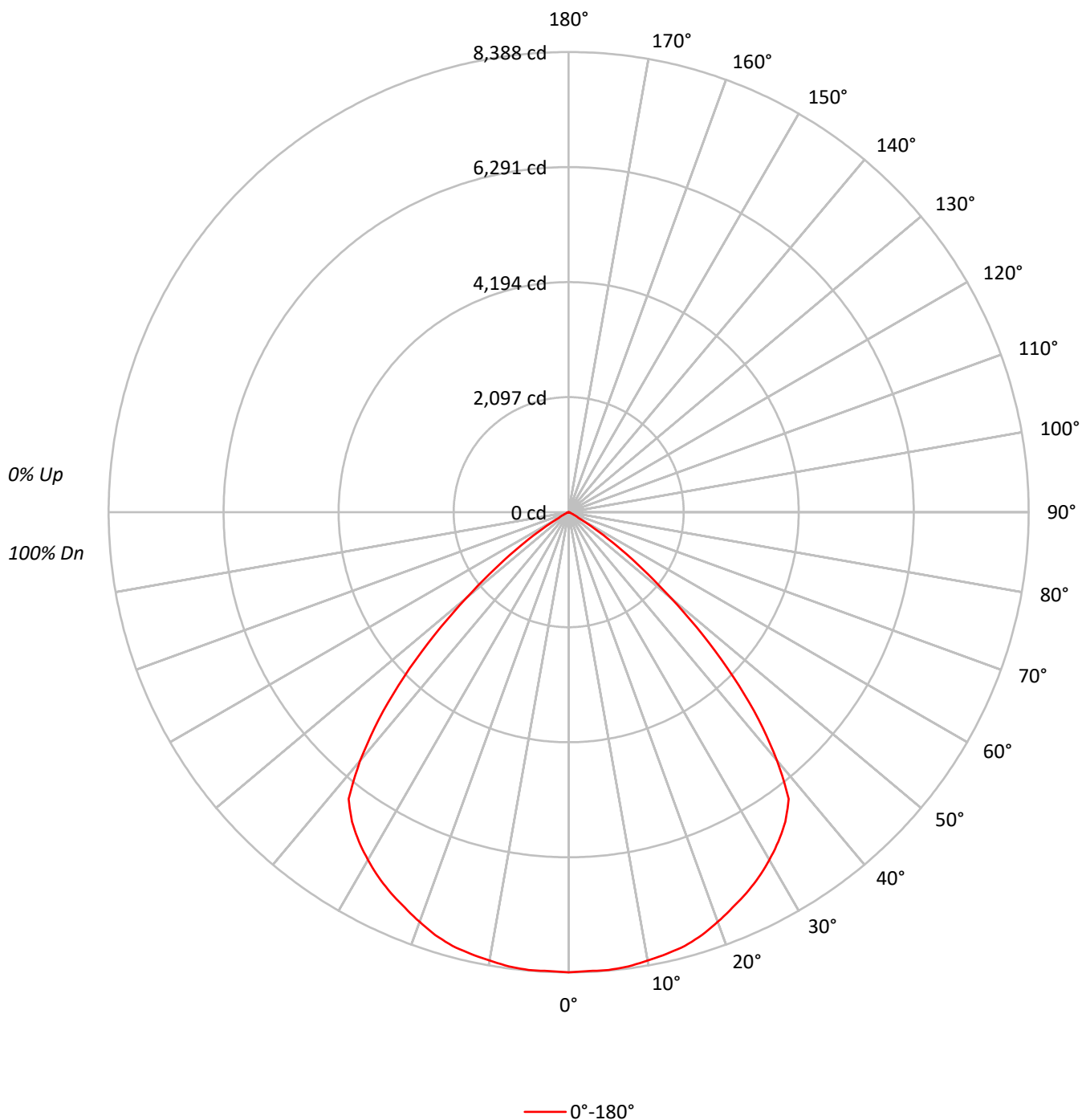
Lumens per Lamp: N/A
Luminaire Lumens: 15266.0 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.29
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 122.9
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
RC	80					70						30						0
RW	70	50	30	10		70	50	30	10			50	30	10				0
RCR																		
0	119	119	119	119		116	116	116	116			111	111	111				100
1	112	109	106	103		110	107	104	102			103	101	99				91
2	105	99	94	90		103	98	93	89			94	91	87				82
3	98	90	84	80		96	89	83	79			86	81	78				73
4	92	82	76	71		90	81	75	70			79	74	69				66
5	86	75	68	63		84	74	68	63			72	67	62				59
6	80	69	62	57		78	68	61	56			67	60	56				53
7	75	63	56	51		73	63	56	51			61	55	51				48
8	70	59	51	46		69	58	51	46			57	50	46				44
9	66	54	47	42		64	54	47	42			53	46	42				40
10	62	50	43	39		61	50	43	39			49	43	38				37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	72601
5°	72780
10°	72941
15°	73350
20°	73194
25°	73185
30°	73154
35°	72781
40°	66846
45°	52037
50°	32691
55°	16275
60°	3715
65°	1679
70°	683
75°	488
80°	558
85°	665

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52037 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	797.1	5.2
10°-20°	2308.1	15.1
20°-30°	3533.1	23.1
30°-40°	4258.6	27.9
40°-50°	3228.5	21.1
50°-60°	1023.5	6.7
60°-70°	93.2	0.6
70°-80°	16.9	0.1
80°-90°	7.0	0.0
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°	6638.3	43.5
0°-40°	10896.9	71.4
0°-60°	15148.9	99.2
0°-90°	15266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15266.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8388	
5°	8377	797
15°	8186	2308
25°	7663	3533
35°	6888	4259
45°	4251	3228
55°	1078	1023
65°	82	93
75°	15	17
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8387.9
2.5°	8371.0
5°	8376.6
7.5°	8353.1
10°	8299.1
12.5°	8247.4
15°	8185.7
17.5°	8083.4
20°	7946.4
22.5°	7803.7
25°	7663.2
27.5°	7504.8
30°	7319.5
32.5°	7118.3
35°	6888.0
37.5°	6590.3
40°	5916.2
42.5°	5128.7
45°	4251.2
47.5°	3316.5
50°	2427.8
52.5°	1692.0
55°	1078.5
57.5°	557.2
60°	214.6
62.5°	134.8
65°	82.0
67.5°	42.7
70°	27.0
72.5°	16.9
75°	14.6
77.5°	13.5
80°	11.2
82.5°	10.1
85°	6.7
87.5°	3.4
90°	0.0

(END OF REPORT)