

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1221210

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-Blak-08 (6500K_L18_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221210
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-Blak-08 (6500K_L18_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

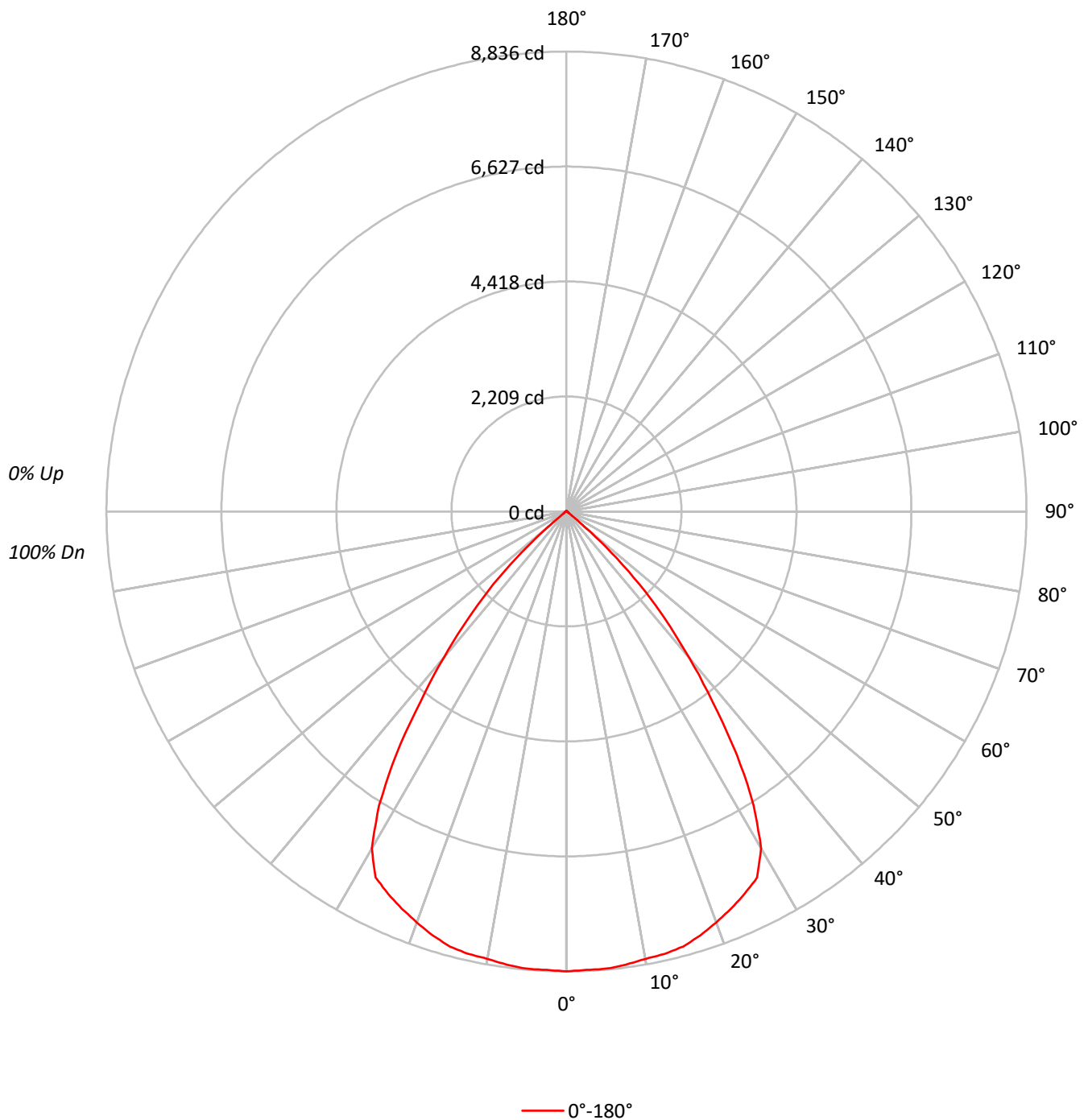
Lumens per Lamp: N/A
Luminaire Lumens: 12201.1 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 122.6
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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	113	110	107	105	110	108	105	103	104	102	100		100	98	97		92
2	107	101	97	93	104	100	96	92	96	93	90		93	91	88		85
3	101	94	88	84	99	92	87	83	89	85	82		87	83	80		78
4	95	87	80	76	93	85	80	75	83	78	74		81	77	74		71
5	89	80	74	69	88	79	73	69	77	72	68		76	71	67		65
6	84	74	68	63	83	73	67	63	72	66	62		70	66	62		60
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		55
8	75	64	58	53	74	64	57	53	63	57	53		62	56	53		51
9	71	60	54	49	70	60	53	49	59	53	49		58	52	49		47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48308
5°	46220
10°	44275
15°	42819
20°	40900
25°	39101
30°	36043
35°	27669
40°	18051
45°	9973
50°	2403
55°	372
60°	215
65°	207
70°	200
75°	175
80°	129
85°	62

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9973 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	838.6	6.9
10°-20°	2437.8	20.0
20°-30°	3718.8	30.5
30°-40°	3496.1	28.7
40°-50°	1517.9	12.4
50°-60°	113.7	0.9
60°-70°	34.1	0.3
70°-80°	25.7	0.2
80°-90°	8.4	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	1.6	0.0
140°-150°	2.7	0.0
150°-160°	2.7	0.0
160°-170°	2.0	0.0
170°-180°	0.8	0.0
0°-30°	6995.1	57.3
0°-40°	10491.2	86.0
0°-60°	12122.9	99.4
0°-90°	12191.1	99.9
90°-120°	0.0	0.0
90°-150°	4.4	0.0
90°-180°	10.0	0.1
0°-180°	12201.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8836	
5°	8818	839
15°	8652	2438
25°	8103	3719
35°	5702	3496
45°	1982	1518
55°	69	114
65°	34	34
75°	25	26
85°	7	8
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	2	2
145°	5	3
155°	6	3
165°	7	2
175°	8	1
180°	8	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8836.5
2.5°	8814.0
5°	8817.5
7.5°	8781.9
10°	8729.7
12.5°	8707.1
15°	8652.5
17.5°	8540.9
20°	8402.0
22.5°	8259.5
25°	8102.8
27.5°	7930.7
30°	7477.1
32.5°	6693.6
35°	5702.2
37.5°	4601.7
40°	3667.3
42.5°	2805.4
45°	1981.5
47.5°	1164.7
50°	463.0
52.5°	153.2
55°	68.9
57.5°	47.5
60°	38.0
62.5°	35.6
65°	34.4
67.5°	33.2
70°	30.9
72.5°	28.5
75°	24.9
77.5°	20.2
80°	16.6
82.5°	11.9
85°	7.1
87.5°	3.6
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	1.2
132.5°	1.2
135°	2.4
137.5°	2.4
140°	3.6
142.5°	3.6
145°	4.7
147.5°	4.7
150°	4.7
152.5°	5.9
155°	5.9
157.5°	5.9
160°	7.1
162.5°	7.1
165°	7.1
167.5°	7.1
170°	8.3
172.5°	8.3
175°	8.3
177.5°	8.3
180°	8.3

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.09
	12H	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.12
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.20
	8H	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.39
	12H	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.52
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.20
	8H	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.46

END OF REPORT