

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P1221198

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-Blak-08 (5000K_L16_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221198
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 (5000K_L16_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

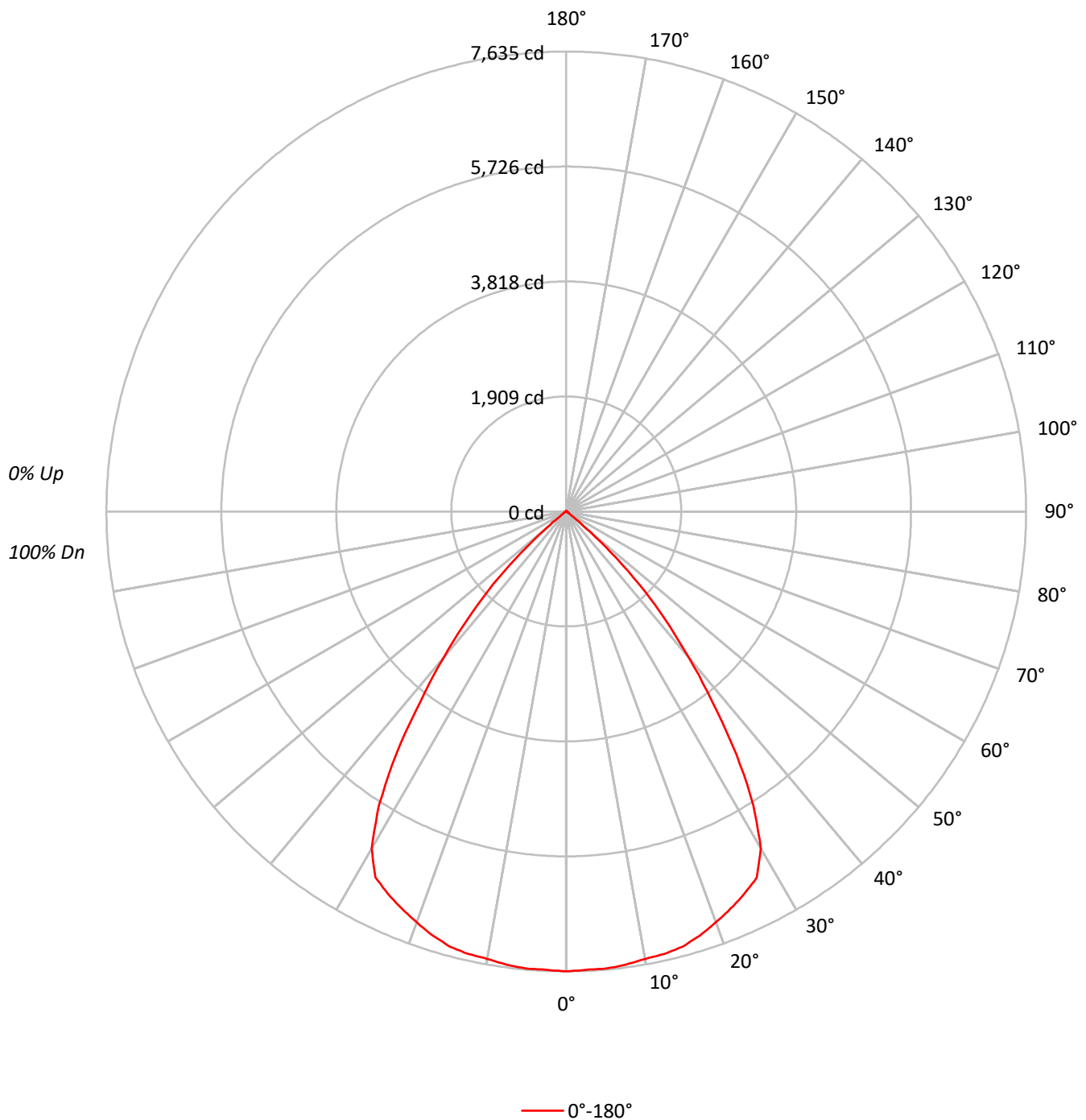
Lumens per Lamp: N/A
Luminaire Lumens: 10541.8 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 99.2
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°	41738
5°	39935
10°	38254
15°	36996
20°	35338
25°	33784
30°	31142
35°	23906
40°	15597
45°	8617
50°	2076
55°	321
60°	186
65°	179
70°	173
75°	151
80°	112
85°	55

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8617 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	724.5	6.9
10°-20°	2106.2	20.0
20°-30°	3213.0	30.5
30°-40°	3020.7	28.7
40°-50°	1311.5	12.4
50°-60°	98.2	0.9
60°-70°	29.5	0.3
70°-80°	22.2	0.2
80°-90°	7.3	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°	1.4	0.0
140°-150°	2.3	0.0
150°-160°	2.3	0.0
160°-170°	1.8	0.0
170°-180°	0.7	0.0
0°-30°	6043.8	57.3
0°-40°	9064.5	86.0
0°-60°	10474.2	99.4
0°-90°	10533.2	99.9
90°-120°	0.0	0.0
90°-150°	3.8	0.0
90°-180°	9.0	0.1
0°-180°	10541.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7635	
5°	7618	725
15°	7476	2106
25°	7001	3213
35°	4927	3021
45°	1712	1312
55°	60	98
65°	30	29
75°	22	22
85°	6	7
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	2	1
145°	4	2
155°	5	2
165°	6	2
175°	7	1
180°	7	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7634.8
2.5°	7615.3
5°	7618.4
7.5°	7587.6
10°	7542.5
12.5°	7523.0
15°	7475.8
17.5°	7379.4
20°	7259.4
22.5°	7136.3
25°	7000.9
27.5°	6852.1
30°	6460.3
32.5°	5783.3
35°	4926.8
37.5°	3975.9
40°	3168.6
42.5°	2423.9
45°	1712.0
47.5°	1006.3
50°	400.1
52.5°	132.3
55°	59.5
57.5°	41.0
60°	32.8
62.5°	30.8
65°	29.7
67.5°	28.7
70°	26.7
72.5°	24.6
75°	21.5
77.5°	17.4
80°	14.4
82.5°	10.3
85°	6.2
87.5°	3.1
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°	1.0
132.5°	1.0
135°	2.1
137.5°	2.1
140°	3.1
142.5°	3.1
145°	4.1
147.5°	4.1
150°	4.1
152.5°	5.1
155°	5.1
157.5°	5.1
160°	6.2
162.5°	6.2
165°	6.2
167.5°	6.2
170°	7.2
172.5°	7.2
175°	7.2
177.5°	7.2
180°	7.2

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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	0.00	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
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	0.00	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	0.02	0.00	0.00	0.00	0.00	0.02
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	0.00	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

END OF REPORT