

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: P1221169

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (3000K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221169
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-12)
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 (3000K_L16_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

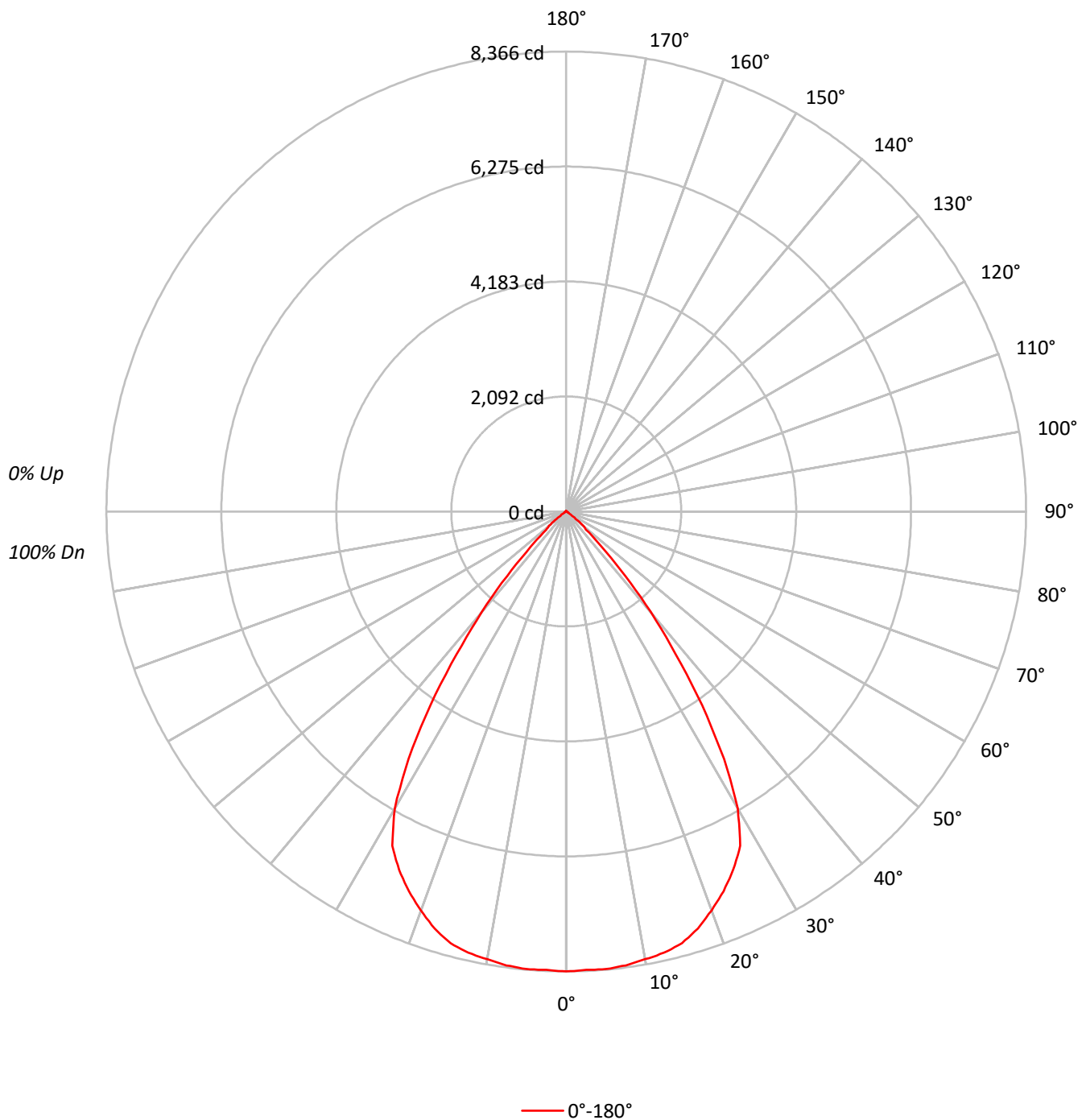
Lumens per Lamp: N/A
Luminaire Lumens: 10019.8 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.02
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.5
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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		86
3	101	95	89	85	99	93	88	84	91	86	83		88	85	82		79
4	96	88	82	78	94	87	81	77	84	80	76		82	78	75		73
5	91	82	76	71	89	81	75	71	79	74	70		77	73	69		67
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		58
8	77	67	60	56	75	66	60	56	65	59	55		64	59	55		54
9	73	62	56	52	71	62	56	52	61	55	52		60	55	51		50
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	45737
5°	43798
10°	41953
15°	40234
20°	37608
25°	34712
30°	30090
35°	20906
40°	11737
45°	4548
50°	2118
55°	409
60°	160
65°	146
70°	138
75°	123
80°	98
85°	60

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4548 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	794.8	7.9
10°-20°	2281.8	22.8
20°-30°	3280.1	32.7
30°-40°	2657.6	26.5
40°-50°	825.6	8.2
50°-60°	120.5	1.2
60°-70°	24.2	0.2
70°-80°	18.3	0.2
80°-90°	7.4	0.1
90°-100°	0.1	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.6	0.0
130°-140°	1.3	0.0
140°-150°	2.4	0.0
150°-160°	2.6	0.0
160°-170°	2.0	0.0
170°-180°	0.8	0.0
0°-30°	6356.7	63.4
0°-40°	9014.3	90.0
0°-60°	9960.4	99.4
0°-90°	10010.3	99.9
90°-120°	0.1	0.0
90°-150°	4.4	0.0
90°-180°	10.0	0.1
0°-180°	10019.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8366	
5°	8356	795
15°	8130	2282
25°	7193	3280
35°	4308	2658
45°	904	826
55°	76	120
65°	24	24
75°	18	18
85°	7	7
90°	1	1
95°	0	0
105°	0	0
115°	0	0
125°	0	1
135°	2	1
145°	4	2
155°	6	3
165°	7	2
175°	9	1
180°	9	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8366.2
2.5°	8349.6
5°	8355.5
7.5°	8327.3
10°	8271.9
12.5°	8222.3
15°	8130.0
17.5°	7957.1
20°	7725.8
22.5°	7477.1
25°	7193.3
27.5°	6854.2
30°	6242.1
32.5°	5340.3
35°	4308.4
37.5°	3269.7
40°	2384.5
42.5°	1590.6
45°	903.7
47.5°	486.8
50°	408.1
52.5°	217.7
55°	75.8
57.5°	39.8
60°	28.2
62.5°	25.3
65°	24.3
67.5°	23.3
70°	21.4
72.5°	19.4
75°	17.5
77.5°	15.5
80°	12.6
82.5°	9.7
85°	6.8
87.5°	3.9
90°	1.0
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°	1.0
130°	1.0
132.5°	1.0
135°	1.9
137.5°	1.9
140°	2.9
142.5°	2.9
145°	3.9
147.5°	4.9
150°	4.9
152.5°	4.9
155°	5.8
157.5°	5.8
160°	6.8
162.5°	6.8
165°	6.8
167.5°	7.8
170°	7.8
172.5°	7.8
175°	8.7
177.5°	8.7
180°	8.7

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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	0.00	0.00	0.00	0.00	0.00	0.00
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