

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: P1221316

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3500K_L18_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221316
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3500K_L18_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

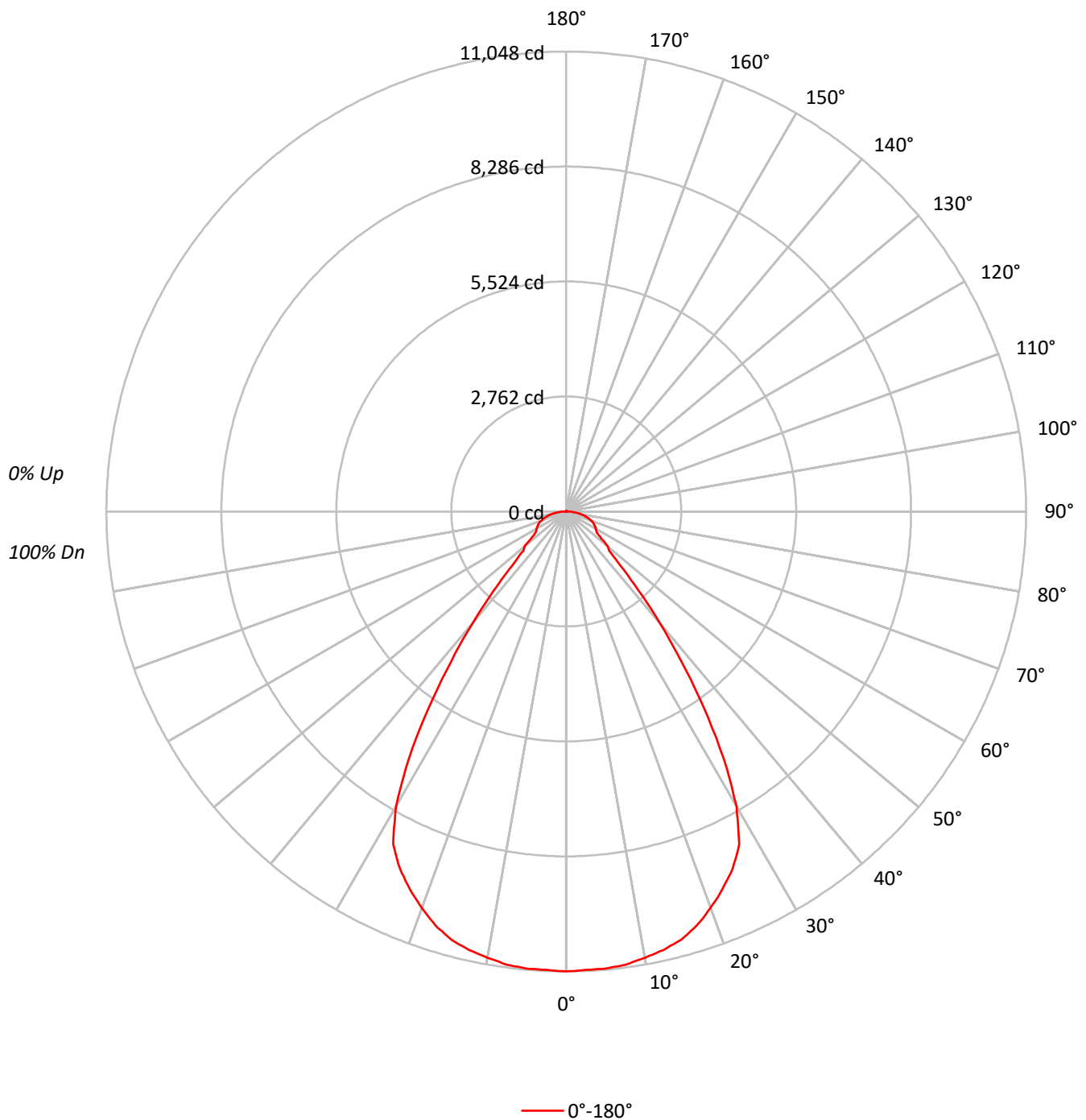
Lumens per Lamp: N/A
Luminaire Lumens: 15815.2 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 120.8
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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	108	104	102		109	105	103	100		101	99	97		97	96	94		94	92	91
2	104	98	93	88		102	96	91	87		93	89	85		89	86	83		87	84	81
3	97	89	83	78		95	88	82	77		85	80	76		82	78	75		80	76	73
4	91	82	75	70		89	81	74	69		78	73	68		76	71	67		74	70	67
5	86	75	68	63		84	74	68	63		72	66	62		71	65	61		69	64	61
6	80	70	62	57		79	69	62	57		67	61	57		66	60	56		64	59	56
7	76	65	57	52		74	64	57	52		62	56	52		61	56	52		60	55	51
8	71	60	53	48		70	60	53	48		58	52	48		57	52	48		56	51	47
9	67	56	49	45		66	56	49	45		55	49	44		54	48	44		53	48	44
10	64	53	46	41		63	52	46	41		51	45	41		50	45	41		50	45	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60400
5°	57767
10°	55204
15°	52715
20°	49359
25°	45669
30°	39414
35°	27969
40°	17205
45°	9123
50°	6766
55°	4892
60°	4641
65°	4461
70°	4089
75°	3515
80°	2642
85°	1430

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 9123 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1047.7	6.6
10°-20°	2993.1	18.9
20°-30°	4307.9	27.2
30°-40°	3583.0	22.7
40°-50°	1558.3	9.9
50°-60°	865.5	5.5
60°-70°	729.1	4.6
70°-80°	521.7	3.3
80°-90°	180.2	1.1
90°-100°	2.6	0.0
100°-110°	1.3	0.0
110°-120°	2.1	0.0
120°-130°	2.5	0.0
130°-140°	3.9	0.0
140°-150°	6.1	0.0
150°-160°	5.6	0.0
160°-170°	3.3	0.0
170°-180°	1.2	0.0
0°-30°	8348.7	52.8
0°-40°	11931.7	75.4
0°-60°	14355.5	90.8
0°-90°	15786.5	99.8
90°-120°	6.0	0.0
90°-150°	18.5	0.1
90°-180°	29.0	0.2
0°-180°	15815.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11048	
5°	11020	###
15°	10652	2993
25°	9464	4308
35°	5764	3583
45°	1813	1558
55°	906	865
65°	741	729
75°	499	522
85°	162	169
90°	10	13
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	5	4
145°	9	6
155°	12	6
165°	12	3
175°	13	1
180°	13	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11048.5
2.5°	11025.1
5°	11020.4
7.5°	10977.1
10°	10884.7
12.5°	10788.9
15°	10652.0
17.5°	10431.0
20°	10139.8
22.5°	9817.1
25°	9463.9
27.5°	9003.2
30°	8176.4
32.5°	7038.6
35°	5764.0
37.5°	4550.1
40°	3495.3
42.5°	2563.3
45°	1812.6
47.5°	1396.3
50°	1303.9
52.5°	1054.8
55°	906.3
57.5°	853.7
60°	818.6
62.5°	784.7
65°	741.4
67.5°	691.1
70°	632.6
72.5°	569.5
75°	499.3
77.5°	422.2
80°	339.1
82.5°	252.6
85°	162.5
87.5°	72.5
90°	10.5
92.5°	1.2
95°	1.2
97.5°	1.2
100°	1.2
102.5°	1.2
105°	1.2
107.5°	1.2
110°	1.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.3
115°	2.3
117.5°	2.3
120°	2.3
122.5°	2.3
125°	2.3
127.5°	3.5
130°	3.5
132.5°	4.7
135°	4.7
137.5°	5.8
140°	7.0
142.5°	8.2
145°	9.4
147.5°	11.7
150°	12.9
152.5°	12.9
155°	11.7
157.5°	11.7
160°	11.7
162.5°	11.7
165°	11.7
167.5°	11.7
170°	12.9
172.5°	12.9
175°	12.9
177.5°	12.9
180°	12.9

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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	13.78	15.02	14.15	15.34	15.66	13.78	15.02	14.15	15.34	15.66
	3H	15.90	17.01	16.29	17.34	17.71	15.90	17.01	16.29	17.34	17.71
	4H	16.69	17.73	17.10	18.08	18.47	16.69	17.73	17.10	18.08	18.47
	6H	17.24	18.19	17.66	18.57	18.97	17.24	18.19	17.66	18.57	18.97
	8H	17.39	18.29	17.83	18.69	19.10	17.39	18.29	17.83	18.69	19.10
	12H	17.46	18.33	17.90	18.71	19.15	17.46	18.33	17.90	18.71	19.15
4H	2H	14.40	15.43	14.81	15.79	16.18	14.40	15.43	14.81	15.79	16.18
	3H	16.68	17.54	17.10	17.95	18.35	16.68	17.54	17.10	17.95	18.35
	4H	17.58	18.35	18.02	18.77	19.22	17.58	18.35	18.02	18.77	19.22
	6H	18.23	18.90	18.70	19.35	19.82	18.23	18.90	18.70	19.35	19.82
	8H	18.42	19.04	18.89	19.49	19.97	18.42	19.04	18.89	19.49	19.97
	12H	18.52	19.07	19.01	19.56	20.04	18.52	19.07	19.01	19.56	20.04
8H	4H	17.83	18.45	18.31	18.91	19.38	17.83	18.45	18.31	18.91	19.38
	6H	18.59	19.10	19.10	19.60	20.09	18.59	19.10	19.10	19.60	20.09
	8H	18.84	19.29	19.36	19.81	20.31	18.84	19.29	19.36	19.81	20.31
	12H	19.00	19.40	19.52	19.89	20.47	19.00	19.40	19.52	19.89	20.47
12H	4H	17.84	18.39	18.33	18.88	19.35	17.84	18.39	18.33	18.88	19.35
	6H	18.62	19.07	19.14	19.59	20.09	18.62	19.07	19.14	19.59	20.09
	8H	18.91	19.31	19.43	19.81	20.38	18.91	19.31	19.43	19.81	20.38