

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: P1221334

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (5000K_L18_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221334
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 (5000K_L18_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

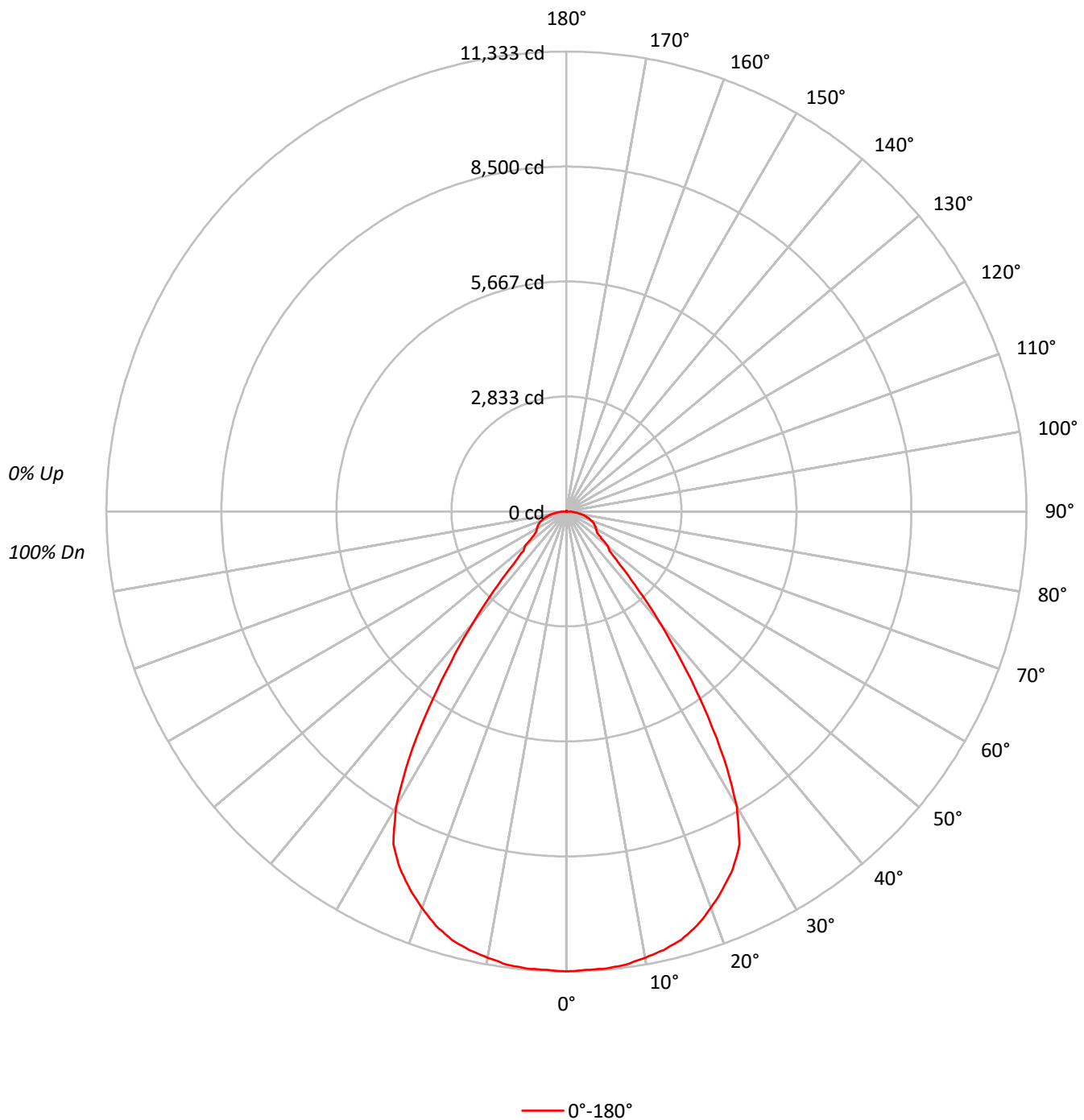
Lumens per Lamp: N/A
Luminaire Lumens: 16222.7 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 119.4
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°	61957
5°	59256
10°	56627
15°	54073
20°	50631
25°	46846
30°	40430
35°	28689
40°	17648
45°	9358
50°	6941
55°	5018
60°	4761
65°	4576
70°	4194
75°	3605
80°	2711
85°	1467

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 9358 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1074.7	6.6
10°-20°	3070.2	18.9
20°-30°	4419.0	27.2
30°-40°	3675.3	22.7
40°-50°	1598.4	9.9
50°-60°	887.7	5.5
60°-70°	747.9	4.6
70°-80°	535.1	3.3
80°-90°	184.9	1.1
90°-100°	2.6	0.0
100°-110°	1.3	0.0
110°-120°	2.2	0.0
120°-130°	2.5	0.0
130°-140°	4.0	0.0
140°-150°	6.2	0.0
150°-160°	5.8	0.0
160°-170°	3.4	0.0
170°-180°	1.3	0.0
0°-30°	8563.9	52.8
0°-40°	12239.2	75.4
0°-60°	14725.4	90.8
0°-90°	16193.3	99.8
90°-120°	6.1	0.0
90°-150°	18.9	0.1
90°-180°	29.0	0.2
0°-180°	16222.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11333	
5°	11304	###
15°	10926	3070
25°	9708	4419
35°	5912	3675
45°	1859	1598
55°	930	888
65°	760	748
75°	512	535
85°	167	173
90°	11	13
95°	1	1
105°	1	1
115°	2	2
125°	2	3
135°	5	4
145°	10	6
155°	12	6
165°	12	3
175°	13	1
180°	13	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11333.2
2.5°	11309.2
5°	11304.4
7.5°	11260.0
10°	11165.2
12.5°	11066.9
15°	10926.5
17.5°	10699.8
20°	10401.1
22.5°	10070.1
25°	9707.8
27.5°	9235.2
30°	8387.1
32.5°	7220.0
35°	5912.5
37.5°	4667.4
40°	3585.4
42.5°	2629.4
45°	1859.3
47.5°	1432.2
50°	1337.5
52.5°	1082.0
55°	929.6
57.5°	875.7
60°	839.7
62.5°	804.9
65°	760.5
67.5°	708.9
70°	648.9
72.5°	584.2
75°	512.2
77.5°	433.0
80°	347.9
82.5°	259.1
85°	166.7
87.5°	74.4
90°	10.8
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°	2.4
115°	2.4
117.5°	2.4
120°	2.4
122.5°	2.4
125°	2.4
127.5°	3.6
130°	3.6
132.5°	4.8
135°	4.8
137.5°	6.0
140°	7.2
142.5°	8.4
145°	9.6
147.5°	12.0
150°	13.2
152.5°	13.2
155°	12.0
157.5°	12.0
160°	12.0
162.5°	12.0
165°	12.0
167.5°	12.0
170°	13.2
172.5°	13.2
175°	13.2
177.5°	13.2
180°	13.2

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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	13.87	15.11	14.24	15.43	15.75	13.87	15.11	14.24	15.43	15.75
	3H	15.99	17.10	16.37	17.43	17.80	15.99	17.10	16.37	17.43	17.80
	4H	16.78	17.81	17.19	18.17	18.56	16.78	17.81	17.19	18.17	18.56
	6H	17.33	18.28	17.75	18.66	19.05	17.33	18.28	17.75	18.66	19.05
	8H	17.48	18.38	17.92	18.78	19.19	17.48	18.38	17.92	18.78	19.19
	12H	17.55	18.41	17.99	18.80	19.24	17.55	18.41	17.99	18.80	19.24
4H	2H	14.49	15.52	14.89	15.87	16.26	14.49	15.52	14.89	15.87	16.26
	3H	16.77	17.63	17.19	18.04	18.44	16.77	17.63	17.19	18.04	18.44
	4H	17.67	18.44	18.11	18.86	19.31	17.67	18.44	18.11	18.86	19.31
	6H	18.32	18.99	18.79	19.44	19.91	18.32	18.99	18.79	19.44	19.91
	8H	18.51	19.13	18.98	19.58	20.06	18.51	19.13	18.98	19.58	20.06
	12H	18.61	19.16	19.10	19.65	20.12	18.61	19.16	19.10	19.65	20.12
8H	4H	17.92	18.54	18.39	18.99	19.47	17.92	18.54	18.39	18.99	19.47
	6H	18.68	19.19	19.19	19.69	20.17	18.68	19.19	19.19	19.69	20.17
	8H	18.93	19.38	19.45	19.90	20.40	18.93	19.38	19.45	19.90	20.40
	12H	19.09	19.48	19.61	19.98	20.56	19.09	19.48	19.61	19.98	20.56
12H	4H	17.93	18.48	18.42	18.96	19.44	17.93	18.48	18.42	18.96	19.44
	6H	18.71	19.16	19.23	19.68	20.18	18.71	19.16	19.23	19.68	20.18
	8H	19.00	19.40	19.52	19.90	20.47	19.00	19.40	19.52	19.90	20.47

END OF REPORT