

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: P1221333

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221333
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-2)
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_L16_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

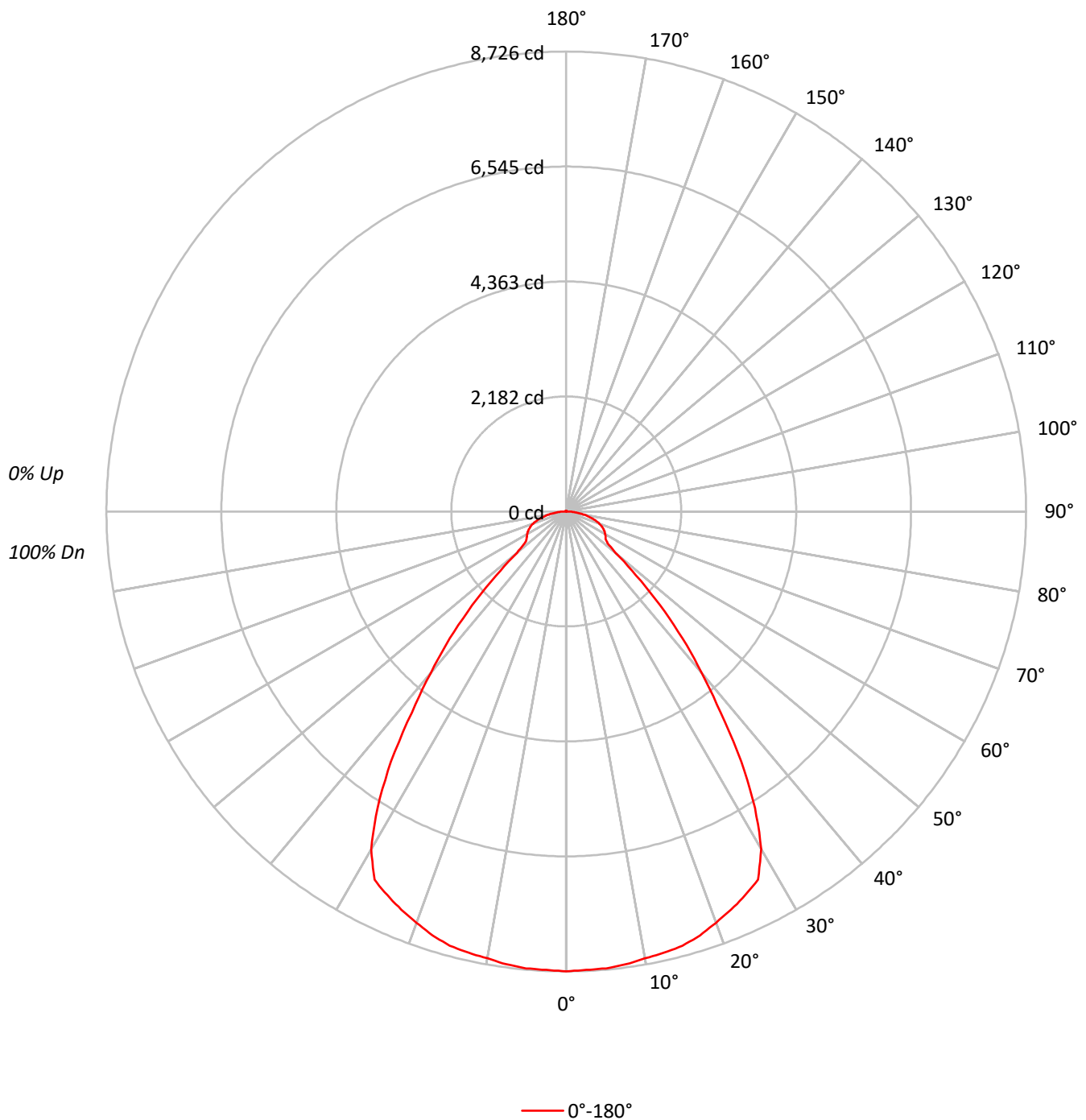
Lumens per Lamp: N/A
Luminaire Lumens: 14784.0 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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				0
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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64
5	84	73	66	60	82	72	65	60	70	64	60	68	63	59	67	62	58
6	79	67	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53
7	74	62	55	50	72	62	54	49	60	54	49	59	53	49	58	52	49
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47705
5°	45613
10°	43674
15°	42210
20°	40431
25°	38773
30°	35676
35°	28122
40°	19686
45°	12690
50°	6313
55°	4939
60°	4838
65°	4673
70°	4296
75°	3596
80°	2589
85°	1363

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12690 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	827.6	5.6
10°-20°	2404.9	16.3
20°-30°	3685.7	24.9
30°-40°	3564.6	24.1
40°-50°	1944.1	13.2
50°-60°	854.6	5.8
60°-70°	763.5	5.2
70°-80°	534.5	3.6
80°-90°	173.3	1.2
90°-100°	2.3	0.0
100°-110°	2.2	0.0
110°-120°	2.7	0.0
120°-130°	3.4	0.0
130°-140°	4.8	0.0
140°-150°	6.5	0.0
150°-160°	5.2	0.0
160°-170°	2.9	0.0
170°-180°	1.1	0.0
0°-30°	6918.2	46.8
0°-40°	10482.8	70.9
0°-60°	13281.6	89.8
0°-90°	14752.8	99.8
90°-120°	7.2	0.0
90°-150°	22.0	0.1
90°-180°	31.0	0.2
0°-180°	14784.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8726	
5°	8702	828
15°	8529	2405
25°	8035	3686
35°	5796	3565
45°	2521	1944
55°	915	855
65°	776	763
75°	511	534
85°	155	163
90°	2	11
95°	2	2
105°	2	2
115°	3	3
125°	4	3
135°	6	5
145°	10	7
155°	10	5
165°	10	3
175°	11	1
180°	11	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8726.2
2.5°	8705.7
5°	8701.6
7.5°	8666.7
10°	8611.3
12.5°	8575.4
15°	8529.3
17.5°	8432.9
20°	8305.7
22.5°	8176.4
25°	8034.9
27.5°	7877.9
30°	7400.9
32.5°	6666.5
35°	5795.6
37.5°	4809.8
40°	3999.5
42.5°	3268.1
45°	2521.3
47.5°	1799.2
50°	1216.6
52.5°	986.8
55°	915.0
57.5°	885.2
60°	853.4
62.5°	820.6
65°	776.5
67.5°	725.2
70°	664.7
72.5°	593.9
75°	510.8
77.5°	422.6
80°	332.3
82.5°	243.1
85°	154.9
87.5°	71.8
90°	2.1
92.5°	2.1
95°	2.1
97.5°	2.1
100°	2.1
102.5°	2.1
105°	2.1
107.5°	2.1
110°	2.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.1
115°	3.1
117.5°	3.1
120°	3.1
122.5°	3.1
125°	4.1
127.5°	4.1
130°	5.1
132.5°	5.1
135°	6.2
137.5°	7.2
140°	8.2
142.5°	9.2
145°	10.3
147.5°	12.3
150°	12.3
152.5°	12.3
155°	10.3
157.5°	10.3
160°	10.3
162.5°	10.3
165°	10.3
167.5°	10.3
170°	11.3
172.5°	11.3
175°	11.3
177.5°	11.3
180°	11.3

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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	14.20	15.49	14.57	15.81	16.13	14.20	15.49	14.57	15.81	16.13
	3H	16.37	17.52	16.75	17.86	18.23	16.37	17.52	16.75	17.86	18.23
	4H	17.14	18.22	17.55	18.58	18.97	17.14	18.22	17.55	18.58	18.97
	6H	17.64	18.64	18.06	19.01	19.41	17.64	18.64	18.06	19.01	19.41
	8H	17.77	18.72	18.21	19.11	19.52	17.77	18.72	18.21	19.11	19.52
	12H	17.83	18.74	18.27	19.12	19.56	17.83	18.74	18.27	19.12	19.56
4H	2H	14.84	15.92	15.25	16.28	16.67	14.84	15.92	15.25	16.28	16.67
	3H	17.17	18.07	17.59	18.47	18.88	17.17	18.07	17.59	18.47	18.88
	4H	18.04	18.85	18.48	19.27	19.72	18.04	18.85	18.48	19.27	19.72
	6H	18.64	19.34	19.11	19.79	20.26	18.64	19.34	19.11	19.79	20.26
	8H	18.80	19.45	19.27	19.90	20.38	18.80	19.45	19.27	19.90	20.38
	12H	18.89	19.46	19.38	19.95	20.43	18.89	19.46	19.38	19.95	20.43
8H	4H	18.29	18.94	18.76	19.39	19.87	18.29	18.94	18.76	19.39	19.87
	6H	18.98	19.51	19.49	20.01	20.50	18.98	19.51	19.49	20.01	20.50
	8H	19.19	19.67	19.72	20.19	20.69	19.19	19.67	19.72	20.19	20.69
	12H	19.33	19.75	19.85	20.25	20.83	19.33	19.75	19.85	20.25	20.83
12H	4H	18.29	18.87	18.78	19.36	19.84	18.29	18.87	18.78	19.36	19.84
	6H	19.00	19.48	19.52	20.00	20.49	19.00	19.48	19.52	20.00	20.49
	8H	19.26	19.68	19.78	20.18	20.75	19.26	19.68	19.78	20.18	20.75

END OF REPORT