

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: P1221336

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (5000K_L18_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221336
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_L18_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

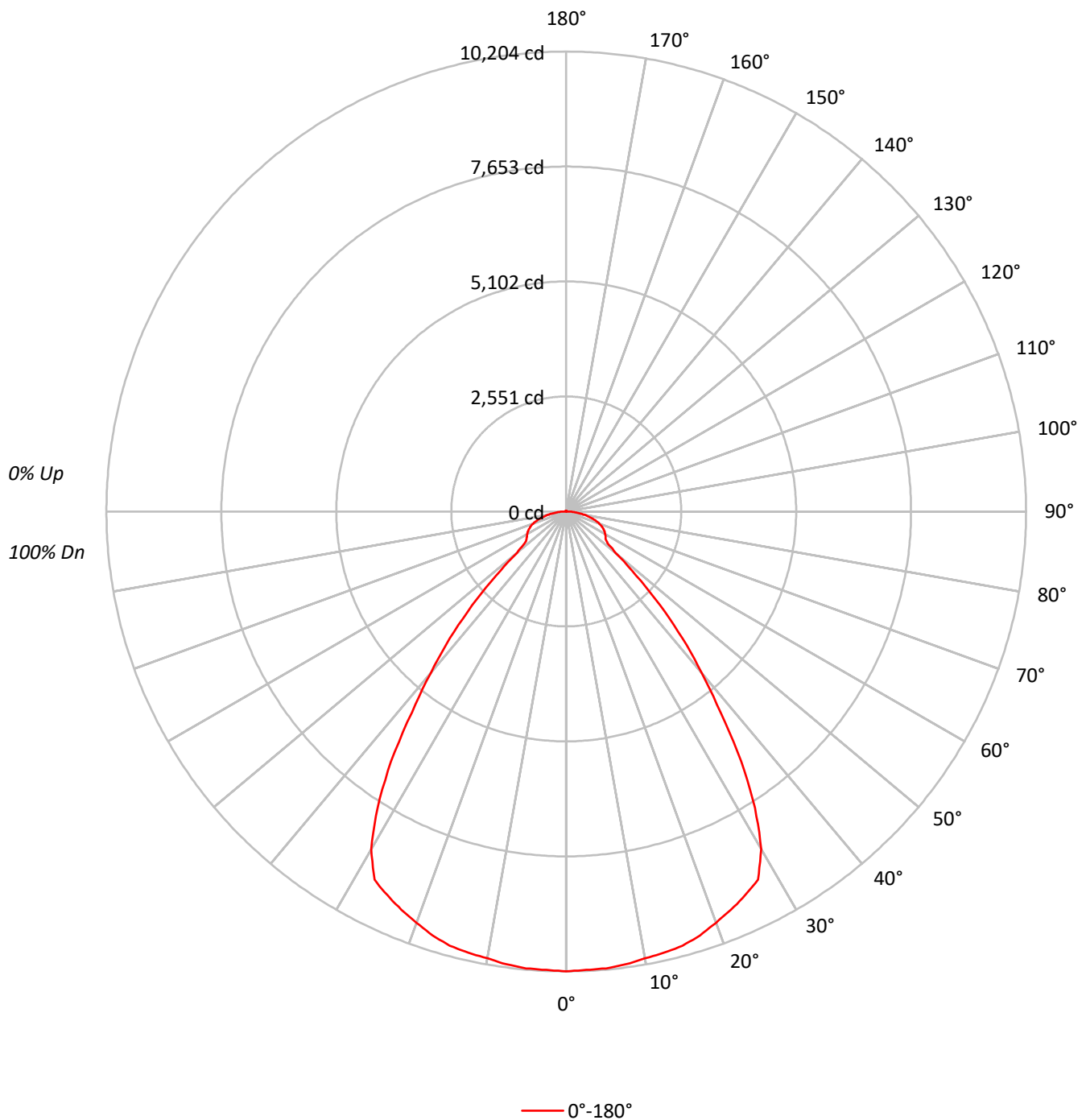
Lumens per Lamp: N/A
Luminaire Lumens: 17288.2 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70		
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	63		
5	84	73	66	60	82	72	65	60	70	64	60	68	63	59	67	62	58	57		
6	79	67	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51		
7	74	62	55	50	72	62	54	49	60	54	49	59	53	49	58	52	49	47		
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55786
5°	53339
10°	51073
15°	49360
20°	47279
25°	45341
30°	41720
35°	32886
40°	23021
45°	14839
50°	7382
55°	5776
60°	5658
65°	5464
70°	5024
75°	4205
80°	3028
85°	1594

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 14839 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	967.8	5.6
10°-20°	2812.3	16.3
20°-30°	4310.0	24.9
30°-40°	4168.5	24.1
40°-50°	2273.4	13.2
50°-60°	999.4	5.8
60°-70°	892.8	5.2
70°-80°	625.0	3.6
80°-90°	202.7	1.2
90°-100°	2.6	0.0
100°-110°	2.5	0.0
110°-120°	3.1	0.0
120°-130°	4.0	0.0
130°-140°	5.6	0.0
140°-150°	7.7	0.0
150°-160°	6.0	0.0
160°-170°	3.4	0.0
170°-180°	1.3	0.0
0°-30°	8090.1	46.8
0°-40°	12258.6	70.9
0°-60°	15531.4	89.8
0°-90°	17251.9	99.8
90°-120°	8.3	0.0
90°-150°	25.6	0.1
90°-180°	36.0	0.2
0°-180°	17288.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10204	
5°	10176	968
15°	9974	2812
25°	9396	4310
35°	6777	4168
45°	2948	2273
55°	1070	999
65°	908	893
75°	597	625
85°	181	191
90°	2	12
95°	2	2
105°	2	3
115°	4	3
125°	5	4
135°	7	6
145°	12	8
155°	12	6
165°	12	3
175°	13	1
180°	13	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10204.4
2.5°	10180.4
5°	10175.6
7.5°	10134.8
10°	10070.1
12.5°	10028.1
15°	9974.1
17.5°	9861.3
20°	9712.6
22.5°	9561.5
25°	9395.9
27.5°	9212.4
30°	8654.6
32.5°	7795.8
35°	6777.4
37.5°	5624.6
40°	4677.0
42.5°	3821.7
45°	2948.4
47.5°	2104.0
50°	1422.6
52.5°	1153.9
55°	1070.0
57.5°	1035.2
60°	998.0
62.5°	959.6
65°	908.0
67.5°	848.1
70°	777.3
72.5°	694.5
75°	597.4
77.5°	494.2
80°	388.6
82.5°	284.3
85°	181.1
87.5°	84.0
90°	2.4
92.5°	2.4
95°	2.4
97.5°	2.4
100°	2.4
102.5°	2.4
105°	2.4
107.5°	2.4
110°	2.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.4
115°	3.6
117.5°	3.6
120°	3.6
122.5°	3.6
125°	4.8
127.5°	4.8
130°	6.0
132.5°	6.0
135°	7.2
137.5°	8.4
140°	9.6
142.5°	10.8
145°	12.0
147.5°	14.4
150°	14.4
152.5°	14.4
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	14.74	16.04	15.11	16.35	16.68	14.74	16.04	15.11	16.35	16.68
	3H	16.91	18.07	17.30	18.40	18.77	16.91	18.07	17.30	18.40	18.77
	4H	17.69	18.77	18.09	19.12	19.51	17.69	18.77	18.09	19.12	19.51
	6H	18.19	19.18	18.61	19.56	19.96	18.19	19.18	18.61	19.56	19.96
	8H	18.32	19.26	18.75	19.66	20.07	18.32	19.26	18.75	19.66	20.07
	12H	18.38	19.28	18.81	19.67	20.10	18.38	19.28	18.81	19.67	20.10
4H	2H	15.39	16.47	15.79	16.82	17.21	15.39	16.47	15.79	16.82	17.21
	3H	17.71	18.61	18.13	19.02	19.43	17.71	18.61	18.13	19.02	19.43
	4H	18.59	19.39	19.02	19.81	20.26	18.59	19.39	19.02	19.81	20.26
	6H	19.19	19.88	19.65	20.33	20.80	19.19	19.88	19.65	20.33	20.80
	8H	19.35	20.00	19.82	20.45	20.92	19.35	20.00	19.82	20.45	20.92
	12H	19.43	20.01	19.92	20.49	20.97	19.43	20.01	19.92	20.49	20.97
8H	4H	18.83	19.48	19.30	19.94	20.41	18.83	19.48	19.30	19.94	20.41
	6H	19.52	20.06	20.03	20.56	21.04	19.52	20.06	20.03	20.56	21.04
	8H	19.74	20.22	20.26	20.74	21.23	19.74	20.22	20.26	20.74	21.23
	12H	19.88	20.30	20.40	20.80	21.37	19.88	20.30	20.40	20.80	21.37
12H	4H	18.84	19.41	19.33	19.90	20.38	18.84	19.41	19.33	19.90	20.38
	6H	19.54	20.02	20.07	20.54	21.04	19.54	20.02	20.07	20.54	21.04
	8H	19.80	20.22	20.32	20.72	21.30	19.80	20.22	20.32	20.72	21.30