

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: P1221303

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L12_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221303
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 (3000K_L12_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

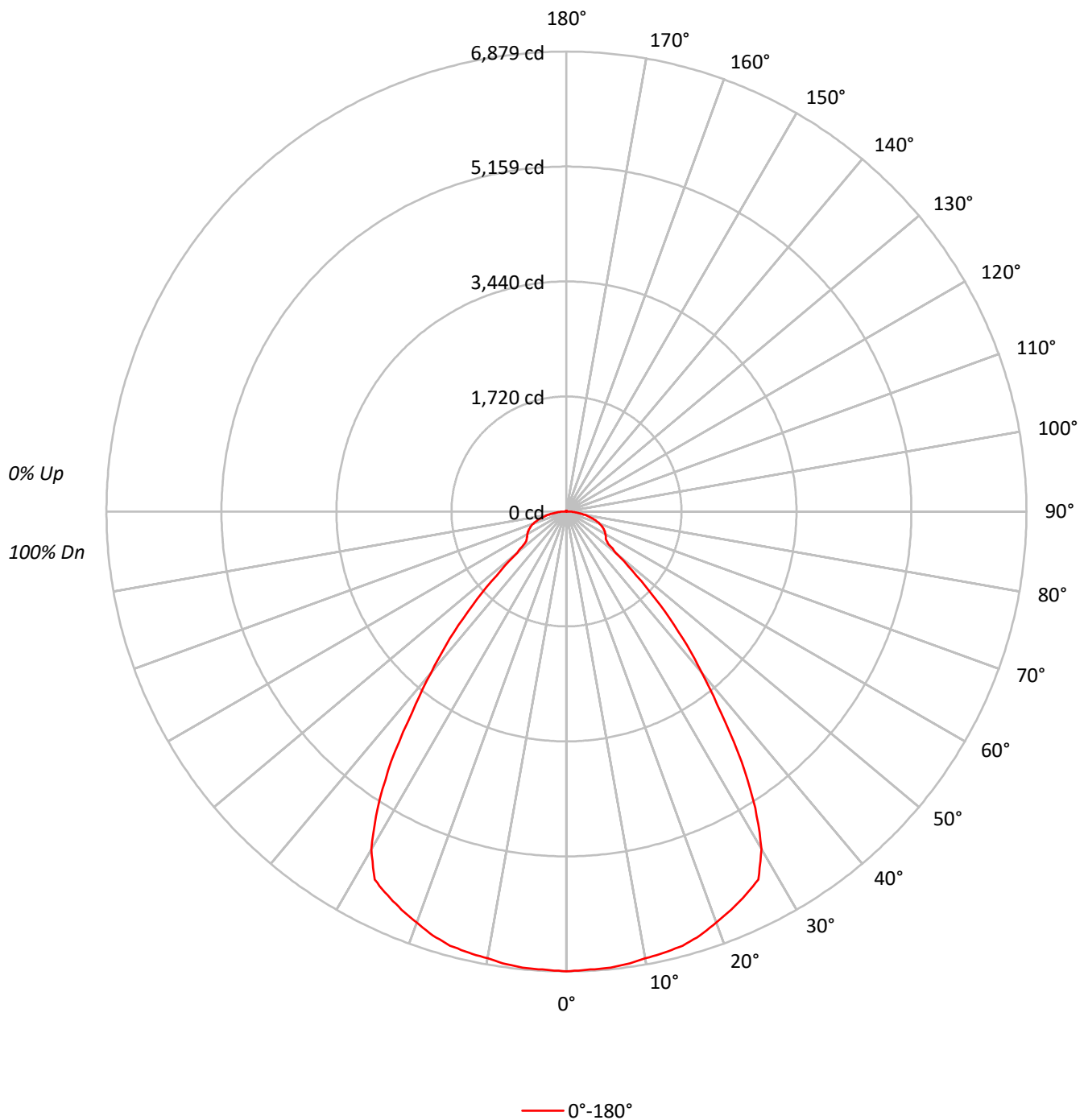
Lumens per Lamp: N/A
Luminaire Lumens: 11653.8 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 81.4
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°	37605
5°	35955
10°	34427
15°	33273
20°	31870
25°	30564
30°	28123
35°	22168
40°	15518
45°	10003
50°	4977
55°	3894
60°	3814
65°	3683
70°	3387
75°	2835
80°	2041
85°	1075

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 10003 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	652.4	5.6
10°-20°	1895.7	16.3
20°-30°	2905.4	24.9
30°-40°	2809.9	24.1
40°-50°	1532.5	13.2
50°-60°	673.7	5.8
60°-70°	601.8	5.2
70°-80°	421.3	3.6
80°-90°	136.6	1.2
90°-100°	1.7	0.0
100°-110°	1.7	0.0
110°-120°	2.1	0.0
120°-130°	2.7	0.0
130°-140°	3.8	0.0
140°-150°	5.2	0.0
150°-160°	4.1	0.0
160°-170°	2.3	0.0
170°-180°	0.8	0.0
0°-30°	5453.5	46.8
0°-40°	8263.4	70.9
0°-60°	10469.6	89.8
0°-90°	11629.4	99.8
90°-120°	5.5	0.0
90°-150°	17.2	0.1
90°-180°	24.0	0.2
0°-180°	11653.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6879	
5°	6859	652
15°	6723	1896
25°	6334	2905
35°	4568	2810
45°	1988	1533
55°	721	674
65°	612	602
75°	403	421
85°	122	129
90°	2	8
95°	2	1
105°	2	2
115°	2	2
125°	3	3
135°	5	4
145°	8	5
155°	8	4
165°	8	2
175°	9	1
180°	9	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6878.7
2.5°	6862.5
5°	6859.2
7.5°	6831.8
10°	6788.1
12.5°	6759.8
15°	6723.4
17.5°	6647.4
20°	6547.1
22.5°	6445.3
25°	6333.7
27.5°	6210.0
30°	5834.0
32.5°	5255.0
35°	4568.5
37.5°	3791.5
40°	3152.7
42.5°	2576.2
45°	1987.5
47.5°	1418.3
50°	959.0
52.5°	777.9
55°	721.3
57.5°	697.8
60°	672.7
62.5°	646.9
65°	612.1
67.5°	571.7
70°	524.0
72.5°	468.2
75°	402.7
77.5°	333.1
80°	262.0
82.5°	191.6
85°	122.1
87.5°	56.6
90°	1.6
92.5°	1.6
95°	1.6
97.5°	1.6
100°	1.6
102.5°	1.6
105°	1.6
107.5°	1.6
110°	1.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.6
115°	2.4
117.5°	2.4
120°	2.4
122.5°	2.4
125°	3.2
127.5°	3.2
130°	4.0
132.5°	4.0
135°	4.9
137.5°	5.7
140°	6.5
142.5°	7.3
145°	8.1
147.5°	9.7
150°	9.7
152.5°	9.7
155°	8.1
157.5°	8.1
160°	8.1
162.5°	8.1
165°	8.1
167.5°	8.1
170°	8.9
172.5°	8.9
175°	8.9
177.5°	8.9
180°	8.9

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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	13.37	14.67	13.74	14.98	15.31	13.37	14.67	13.74	14.98	15.31
	3H	15.54	16.70	15.93	17.03	17.40	15.54	16.70	15.93	17.03	17.40
	4H	16.32	17.40	16.72	17.75	18.14	16.32	17.40	16.72	17.75	18.14
	6H	16.82	17.81	17.24	18.19	18.59	16.82	17.81	17.24	18.19	18.59
	8H	16.95	17.89	17.38	18.29	18.70	16.95	17.89	17.38	18.29	18.70
	12H	17.01	17.91	17.44	18.30	18.73	17.01	17.91	17.44	18.30	18.73
4H	2H	14.02	15.10	14.42	15.45	15.84	14.02	15.10	14.42	15.45	15.84
	3H	16.34	17.24	16.76	17.65	18.06	16.34	17.24	16.76	17.65	18.06
	4H	17.22	18.02	17.65	18.44	18.89	17.22	18.02	17.65	18.44	18.89
	6H	17.82	18.51	18.28	18.96	19.43	17.82	18.51	18.28	18.96	19.43
	8H	17.97	18.63	18.45	19.08	19.55	17.97	18.63	18.45	19.08	19.55
	12H	18.06	18.64	18.55	19.12	19.60	18.06	18.64	18.55	19.12	19.60
8H	4H	17.46	18.11	17.93	18.57	19.04	17.46	18.11	17.93	18.57	19.04
	6H	18.15	18.69	18.66	19.19	19.67	18.15	18.69	18.66	19.19	19.67
	8H	18.37	18.85	18.89	19.37	19.86	18.37	18.85	18.89	19.37	19.86
	12H	18.51	18.93	19.03	19.43	20.00	18.51	18.93	19.03	19.43	20.00
12H	4H	17.47	18.04	17.96	18.53	19.01	17.47	18.04	17.96	18.53	19.01
	6H	18.17	18.65	18.70	19.17	19.67	18.17	18.65	18.70	19.17	19.67
	8H	18.43	18.85	18.95	19.35	19.93	18.43	18.85	18.95	19.35	19.93

END OF REPORT