

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: P1221282

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_L18_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221282
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_L18_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

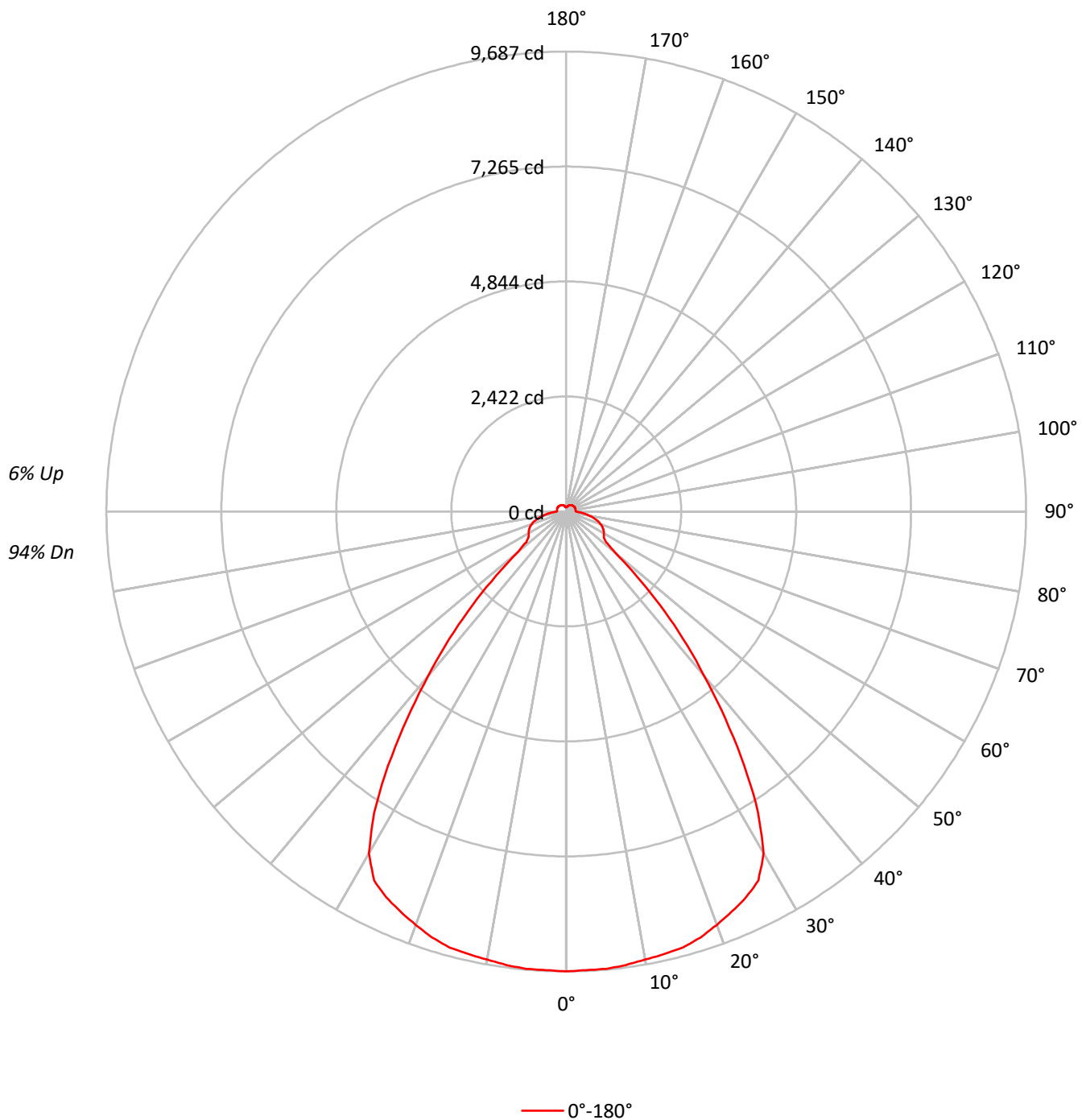
Lumens per Lamp: N/A
Luminaire Lumens: 17850.6 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 118.9
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	50	30	10		
RCR																									
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	96	96	96	96	96			
1	109	105	102	98	106	102	99	96	97	94	92	92	90	88	88	86	84	84	86	84	82	82			
2	101	95	89	84	98	92	87	83	88	84	80	84	80	77	80	77	75	75	77	75	72	72			
3	94	86	79	74	91	84	78	73	80	75	71	76	72	69	73	70	67	67	70	67	65	65			
4	88	78	71	65	85	76	70	64	73	67	63	70	65	61	67	63	60	60	63	60	58	58			
5	82	71	64	58	80	70	63	58	67	61	57	65	59	55	62	58	54	54	58	54	52	52			
6	77	66	58	53	75	64	57	52	62	56	51	60	54	50	58	53	49	49	53	49	48	48			
7	72	60	53	48	70	59	52	47	57	51	47	55	50	46	54	49	45	45	49	45	43	43			
8	68	56	49	44	66	55	48	43	53	47	43	52	46	42	50	45	41	41	45	41	40	40			
9	64	52	45	40	62	51	44	40	50	43	39	48	43	39	47	42	38	38	42	38	37	37			
10	60	48	41	37	59	48	41	37	46	40	36	45	40	36	44	39	35	35	39	35	34	34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	52957
5°	50684
10°	48596
15°	47034
20°	45119
25°	43281
30°	40078
35°	31752
40°	22247
45°	14077
50°	6894
55°	5250
60°	5175
65°	5162
70°	4973
75°	4516
80°	3770
85°	2871

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14077 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	920.0	5.2
10°-20°	2680.5	15.0
20°-30°	4113.0	23.0
30°-40°	4034.5	22.6
40°-50°	2165.6	12.1
50°-60°	914.0	5.1
60°-70°	844.4	4.7
70°-80°	671.5	3.8
80°-90°	361.2	2.0
90°-100°	215.2	1.2
100°-110°	212.5	1.2
110°-120°	197.8	1.1
120°-130°	171.5	1.0
130°-140°	138.7	0.8
140°-150°	102.2	0.6
150°-160°	66.0	0.4
160°-170°	33.1	0.2
170°-180°	9.0	0.1
0°-30°	7713.5	43.2
0°-40°	11748.0	65.8
0°-60°	14827.6	83.1
0°-90°	16704.6	93.6
90°-120°	625.4	3.5
90°-150°	1037.8	5.8
90°-180°	1146.0	6.4
0°-180°	17850.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9687	
5°	9669	920
15°	9504	2681
25°	8969	4113
35°	6544	4034
45°	2797	2166
55°	972	914
65°	858	844
75°	642	671
85°	326	299
90°	206	117
95°	196	161
105°	201	212
115°	200	198
125°	191	171
135°	179	139
145°	162	102
155°	142	66
165°	116	33
175°	93	9
180°	92	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9686.9
2.5°	9669.0
5°	9669.0
7.5°	9635.5
10°	9581.8
12.5°	9549.5
15°	9504.1
17.5°	9407.3
20°	9268.7
22.5°	9121.8
25°	8968.9
27.5°	8762.2
30°	8314.1
32.5°	7526.8
35°	6543.6
37.5°	5505.3
40°	4519.7
42.5°	3639.2
45°	2796.9
47.5°	2001.2
50°	1328.5
52.5°	1057.3
55°	972.5
57.5°	937.9
60°	912.8
62.5°	888.9
65°	857.8
67.5°	818.4
70°	769.4
72.5°	710.9
75°	641.6
77.5°	563.9
80°	483.9
82.5°	403.8
85°	326.2
87.5°	250.9
90°	205.5
92.5°	193.5
95°	195.9
97.5°	197.1
100°	199.5
102.5°	200.7
105°	200.7
107.5°	201.9
110°	200.7

TEST NUMBER: P1221282

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	200.7
115°	199.5
117.5°	198.3
120°	195.9
122.5°	193.5
125°	191.2
127.5°	188.8
130°	185.2
132.5°	182.8
135°	179.2
137.5°	175.6
140°	170.8
142.5°	167.3
145°	162.5
147.5°	157.7
150°	152.9
152.5°	148.1
155°	142.2
157.5°	136.2
160°	130.2
162.5°	123.1
165°	115.9
167.5°	107.5
170°	99.2
172.5°	92.0
175°	93.2
177.5°	93.2
180°	92.0

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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	13.68	14.88	14.15	15.32	15.80	13.68	14.88	14.15	15.32	15.80
	3H	16.09	17.17	16.58	17.63	18.15	16.09	17.17	16.58	17.63	18.15
	4H	17.06	18.07	17.57	18.55	19.08	17.06	18.07	17.57	18.55	19.08
	6H	17.80	18.73	18.33	19.23	19.78	17.80	18.73	18.33	19.23	19.78
	8H	18.07	18.96	18.61	19.47	20.03	18.07	18.96	18.61	19.47	20.03
	12H	18.28	19.12	18.82	19.63	20.21	18.28	19.12	18.82	19.63	20.21
4H	2H	14.37	15.38	14.88	15.86	16.40	14.37	15.38	14.88	15.86	16.40
	3H	16.96	17.80	17.48	18.32	18.88	16.96	17.80	17.48	18.32	18.88
	4H	18.03	18.80	18.58	19.33	19.92	18.03	18.80	18.58	19.33	19.92
	6H	18.90	19.56	19.47	20.13	20.74	18.90	19.56	19.47	20.13	20.74
	8H	19.22	19.84	19.80	20.40	21.02	19.22	19.84	19.80	20.40	21.02
	12H	19.48	20.04	20.07	20.63	21.25	19.48	20.04	20.07	20.63	21.25
8H	4H	18.36	18.98	18.93	19.54	20.16	18.36	18.98	18.93	19.54	20.16
	6H	19.36	19.87	19.97	20.48	21.11	19.36	19.87	19.97	20.48	21.11
	8H	19.78	20.23	20.40	20.85	21.49	19.78	20.23	20.40	20.85	21.49
	12H	20.14	20.54	20.76	21.15	21.86	20.14	20.54	20.76	21.15	21.86
12H	4H	18.39	18.94	18.98	19.53	20.15	18.39	18.94	18.98	19.53	20.15
	6H	19.43	19.89	20.05	20.51	21.14	19.43	19.89	20.05	20.51	21.14
	8H	19.90	20.31	20.52	20.91	21.62	19.90	20.31	20.52	20.91	21.62