

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: P1221340

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221340
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 (6500K_L16_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

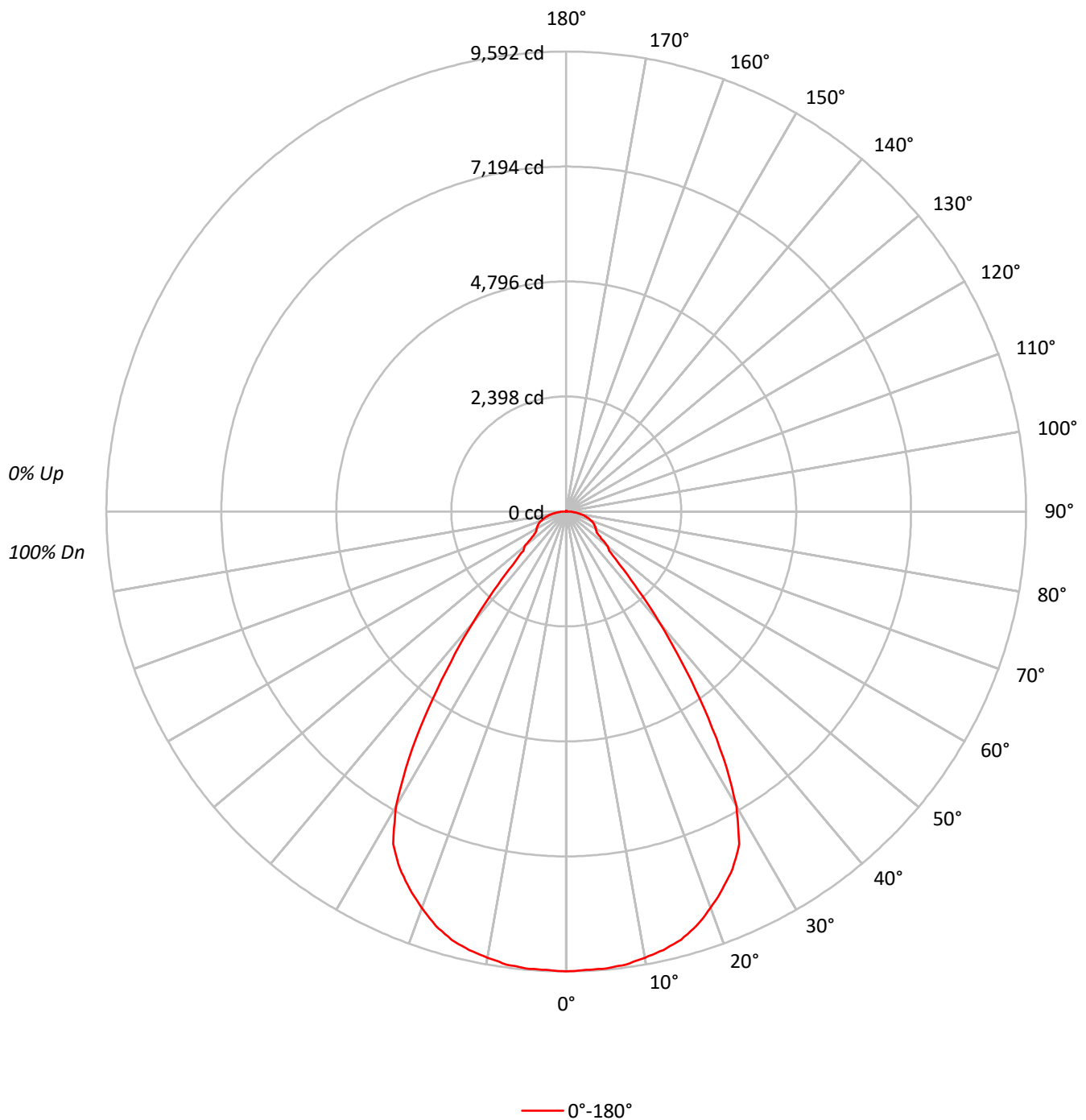
Lumens per Lamp: N/A
Luminaire Lumens: 13730.3 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.9
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
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°	52438
5°	50153
10°	47927
15°	45766
20°	42853
25°	39649
30°	34219
35°	24281
40°	14937
45°	7920
50°	5874
55°	4247
60°	4029
65°	3873
70°	3550
75°	3051
80°	2294
85°	1242

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7920 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	909.6	6.6
10°-20°	2598.5	18.9
20°-30°	3740.1	27.2
30°-40°	3110.7	22.7
40°-50°	1352.9	9.9
50°-60°	751.4	5.5
60°-70°	633.0	4.6
70°-80°	452.9	3.3
80°-90°	156.5	1.1
90°-100°	2.2	0.0
100°-110°	1.1	0.0
110°-120°	1.9	0.0
120°-130°	2.1	0.0
130°-140°	3.4	0.0
140°-150°	5.3	0.0
150°-160°	4.9	0.0
160°-170°	2.9	0.0
170°-180°	1.1	0.0
0°-30°	7248.2	52.8
0°-40°	10358.9	75.4
0°-60°	12463.1	90.8
0°-90°	13705.5	99.8
90°-120°	5.1	0.0
90°-150°	15.9	0.1
90°-180°	25.0	0.2
0°-180°	13730.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9592	
5°	9568	910
15°	9248	2599
25°	8216	3740
35°	5004	3111
45°	1574	1353
55°	787	751
65°	644	633
75°	434	453
85°	141	147
90°	9	11
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	4	3
145°	8	5
155°	10	5
165°	10	3
175°	11	1
180°	11	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9592.0
2.5°	9571.7
5°	9567.7
7.5°	9530.1
10°	9449.9
12.5°	9366.7
15°	9247.9
17.5°	9056.0
20°	8803.2
22.5°	8523.0
25°	8216.4
27.5°	7816.4
30°	7098.6
32.5°	6110.8
35°	5004.1
37.5°	3950.3
40°	3034.6
42.5°	2225.4
45°	1573.6
47.5°	1212.2
50°	1132.0
52.5°	915.8
55°	786.8
57.5°	741.1
60°	710.7
62.5°	681.2
65°	643.7
67.5°	600.0
70°	549.2
72.5°	494.4
75°	433.5
77.5°	366.5
80°	294.4
82.5°	219.3
85°	141.1
87.5°	62.9
90°	9.1
92.5°	1.0
95°	1.0
97.5°	1.0
100°	1.0
102.5°	1.0
105°	1.0
107.5°	1.0
110°	1.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.0
115°	2.0
117.5°	2.0
120°	2.0
122.5°	2.0
125°	2.0
127.5°	3.0
130°	3.0
132.5°	4.1
135°	4.1
137.5°	5.1
140°	6.1
142.5°	7.1
145°	8.1
147.5°	10.2
150°	11.2
152.5°	11.2
155°	10.2
157.5°	10.2
160°	10.2
162.5°	10.2
165°	10.2
167.5°	10.2
170°	11.2
172.5°	11.2
175°	11.2
177.5°	11.2
180°	11.2

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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	13.29	14.53	13.66	14.85	15.17	13.29	14.53	13.66	14.85	15.17
	3H	15.41	16.52	15.79	16.85	17.22	15.41	16.52	15.79	16.85	17.22
	4H	16.20	17.23	16.61	17.59	17.98	16.20	17.23	16.61	17.59	17.98
	6H	16.75	17.70	17.17	18.08	18.47	16.75	17.70	17.17	18.08	18.47
	8H	16.90	17.80	17.34	18.20	18.61	16.90	17.80	17.34	18.20	18.61
	12H	16.97	17.83	17.41	18.22	18.66	16.97	17.83	17.41	18.22	18.66
4H	2H	13.91	14.94	14.31	15.29	15.68	13.91	14.94	14.31	15.29	15.68
	3H	16.19	17.05	16.61	17.46	17.86	16.19	17.05	16.61	17.46	17.86
	4H	17.09	17.86	17.53	18.28	18.73	17.09	17.86	17.53	18.28	18.73
	6H	17.74	18.41	18.21	18.86	19.33	17.74	18.41	18.21	18.86	19.33
	8H	17.93	18.55	18.40	19.00	19.48	17.93	18.55	18.40	19.00	19.48
	12H	18.03	18.58	18.52	19.07	19.54	18.03	18.58	18.52	19.07	19.54
8H	4H	17.34	17.96	17.81	18.41	18.89	17.34	17.96	17.81	18.41	18.89
	6H	18.10	18.61	18.61	19.11	19.59	18.10	18.61	18.61	19.11	19.59
	8H	18.35	18.80	18.87	19.32	19.82	18.35	18.80	18.87	19.32	19.82
	12H	18.51	18.90	19.03	19.40	19.98	18.51	18.90	19.03	19.40	19.98
12H	4H	17.35	17.90	17.84	18.38	18.86	17.35	17.90	17.84	18.38	18.86
	6H	18.13	18.58	18.65	19.10	19.60	18.13	18.58	18.65	19.10	19.60
	8H	18.42	18.82	18.94	19.32	19.89	18.42	18.82	18.94	19.32	19.89

END OF REPORT