

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: P1221285

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L12_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221285
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 (5000K_L12_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

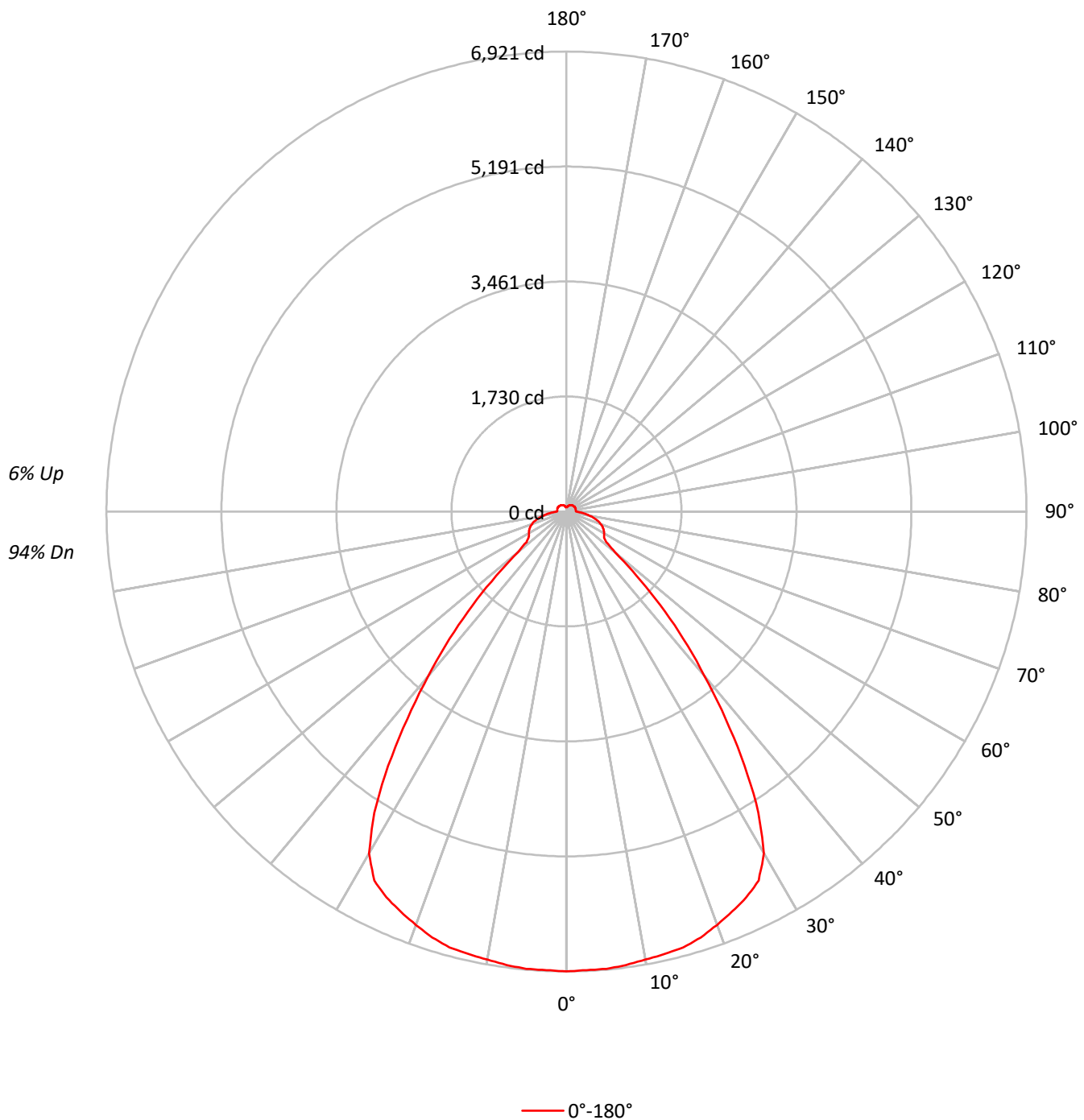
Lumens per Lamp: N/A
Luminaire Lumens: 12753.8 lumens
Efficiency: N/A
Efficacy: 158.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 80.4
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
RCR																					
0	118	118	118	118		114	114	114	114		108	108	108		102	102	102		96	96	96
1	109	105	102	98		106	102	99	96		97	94	92		92	90	88		88	86	84
2	101	95	89	84		98	92	87	83		88	84	80		84	80	77		80	77	75
3	94	86	79	74		91	84	78	73		80	75	71		76	72	69		73	70	67
4	88	78	71	65		85	76	70	64		73	67	63		70	65	61		67	63	60
5	82	71	64	58		80	70	63	58		67	61	57		65	59	55		62	58	54
6	77	66	58	53		75	64	57	52		62	56	51		60	54	50		58	53	49
7	72	60	53	48		70	59	52	47		57	51	47		55	50	46		54	49	45
8	68	56	49	44		66	55	48	43		53	47	43		52	46	42		50	45	41
9	64	52	45	40		62	51	44	40		50	43	39		48	43	39		47	42	38
10	60	48	41	37		59	48	41	37		46	40	36		45	40	36		44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37836
5°	36212
10°	34721
15°	33604
20°	32236
25°	30923
30°	28635
35°	22685
40°	15895
45°	10058
50°	4926
55°	3751
60°	3698
65°	3688
70°	3553
75°	3227
80°	2694
85°	2050

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 10058 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	657.3	5.2
10°-20°	1915.1	15.0
20°-30°	2938.6	23.0
30°-40°	2882.5	22.6
40°-50°	1547.3	12.1
50°-60°	653.0	5.1
60°-70°	603.3	4.7
70°-80°	479.7	3.8
80°-90°	258.1	2.0
90°-100°	153.8	1.2
100°-110°	151.8	1.2
110°-120°	141.3	1.1
120°-130°	122.5	1.0
130°-140°	99.1	0.8
140°-150°	73.0	0.6
150°-160°	47.2	0.4
160°-170°	23.7	0.2
170°-180°	6.4	0.1
0°-30°	5511.1	43.2
0°-40°	8393.6	65.8
0°-60°	10593.9	83.1
0°-90°	11934.9	93.6
90°-120°	446.9	3.5
90°-150°	741.6	5.8
90°-180°	819.0	6.4
0°-180°	12753.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6921	
5°	6908	657
15°	6790	1915
25°	6408	2939
35°	4675	2883
45°	1998	1547
55°	695	653
65°	613	603
75°	458	480
85°	233	213
90°	147	84
95°	140	115
105°	143	152
115°	143	141
125°	137	123
135°	128	99
145°	116	73
155°	102	47
165°	83	24
175°	67	6
180°	66	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6921.0
2.5°	6908.2
5°	6908.2
7.5°	6884.3
10°	6845.9
12.5°	6822.8
15°	6790.4
17.5°	6721.2
20°	6622.2
22.5°	6517.2
25°	6408.0
27.5°	6260.3
30°	5940.2
32.5°	5377.7
35°	4675.2
37.5°	3933.4
40°	3229.2
42.5°	2600.1
45°	1998.3
47.5°	1429.8
50°	949.2
52.5°	755.4
55°	694.8
57.5°	670.1
60°	652.2
62.5°	635.1
65°	612.9
67.5°	584.7
70°	549.7
72.5°	507.9
75°	458.4
77.5°	402.9
80°	345.7
82.5°	288.5
85°	233.0
87.5°	179.3
90°	146.8
92.5°	138.3
95°	140.0
97.5°	140.8
100°	142.6
102.5°	143.4
105°	143.4
107.5°	144.3
110°	143.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	143.4
115°	142.6
117.5°	141.7
120°	140.0
122.5°	138.3
125°	136.6
127.5°	134.9
130°	132.3
132.5°	130.6
135°	128.0
137.5°	125.5
140°	122.1
142.5°	119.5
145°	116.1
147.5°	112.7
150°	109.3
152.5°	105.8
155°	101.6
157.5°	97.3
160°	93.0
162.5°	87.9
165°	82.8
167.5°	76.8
170°	70.8
172.5°	65.7
175°	66.6
177.5°	66.6
180°	65.7

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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	12.51	13.71	12.98	14.15	14.63	12.51	13.71	12.98	14.15	14.63
	3H	14.93	16.00	15.42	16.46	16.99	14.93	16.00	15.42	16.46	16.99
	4H	15.89	16.90	16.40	17.38	17.92	15.89	16.90	16.40	17.38	17.92
	6H	16.64	17.57	17.16	18.06	18.61	16.64	17.57	17.16	18.06	18.61
	8H	16.90	17.79	17.44	18.30	18.86	16.90	17.79	17.44	18.30	18.86
	12H	17.11	17.95	17.65	18.46	19.04	17.11	17.95	17.65	18.46	19.04
4H	2H	13.20	14.21	13.72	14.69	15.23	13.20	14.21	13.72	14.69	15.23
	3H	15.79	16.63	16.31	17.16	17.71	15.79	16.63	16.31	17.16	17.71
	4H	16.87	17.63	17.41	18.16	18.76	16.87	17.63	17.41	18.16	18.76
	6H	17.74	18.40	18.30	18.96	19.57	17.74	18.40	18.30	18.96	19.57
	8H	18.06	18.67	18.63	19.24	19.85	18.06	18.67	18.63	19.24	19.85
	12H	18.32	18.87	18.91	19.46	20.08	18.32	18.87	18.91	19.46	20.08
8H	4H	17.19	17.81	17.76	18.37	18.99	17.19	17.81	17.76	18.37	18.99
	6H	18.19	18.71	18.80	19.31	19.94	18.19	18.71	18.80	19.31	19.94
	8H	18.61	19.07	19.23	19.69	20.32	18.61	19.07	19.23	19.69	20.32
	12H	18.97	19.38	19.59	19.98	20.69	18.97	19.38	19.59	19.98	20.69
12H	4H	17.22	17.77	17.81	18.36	18.99	17.22	17.77	17.81	18.36	18.99
	6H	18.26	18.72	18.88	19.34	19.98	18.26	18.72	18.88	19.34	19.98
	8H	18.73	19.14	19.35	19.74	20.45	18.73	19.14	19.35	19.74	20.45

END OF REPORT