

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: P1221300

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (6500K_L18_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221300
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 (6500K_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: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

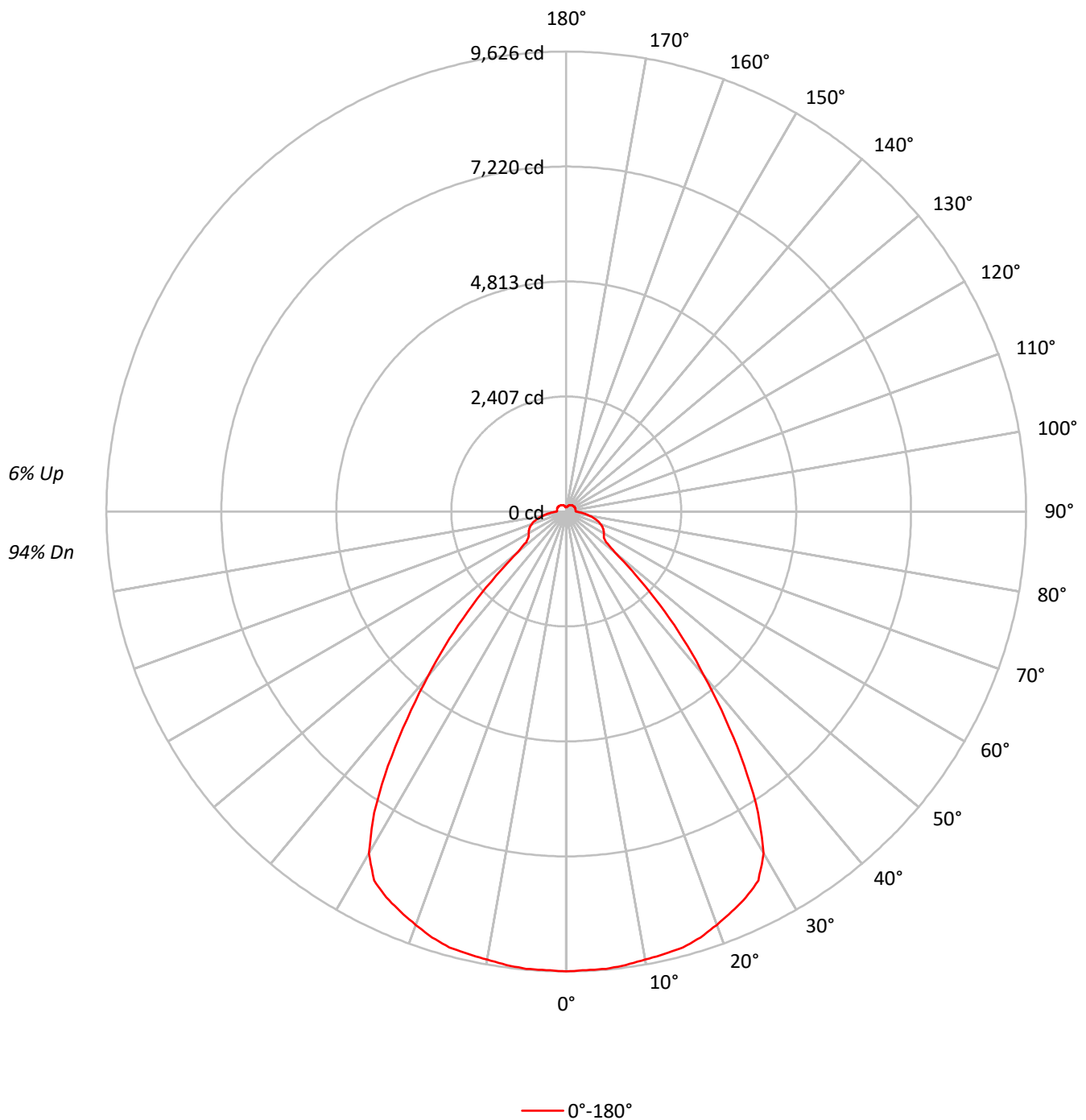
Lumens per Lamp: N/A
Luminaire Lumens: 17738.5 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 122.6
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

TEST NUMBER: P1221300

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (6500K_L18_Wide_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221300

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (6500K_L18_Wide_120V)

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°	52624
5°	50365
10°	48291
15°	46738
20°	44835
25°	43008
30°	39827
35°	31552
40°	22107
45°	13988
50°	6851
55°	5217
60°	5142
65°	5129
70°	4942
75°	4487
80°	3746
85°	2852

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 13988 cd/sqm

TEST NUMBER: P1221300

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (6500K_L18_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	914.2	5.2
10°-20°	2663.7	15.0
20°-30°	4087.1	23.0
30°-40°	4009.1	22.6
40°-50°	2152.0	12.1
50°-60°	908.3	5.1
60°-70°	839.0	4.7
70°-80°	667.2	3.8
80°-90°	358.9	2.0
90°-100°	213.9	1.2
100°-110°	211.2	1.2
110°-120°	196.6	1.1
120°-130°	170.4	1.0
130°-140°	137.8	0.8
140°-150°	101.6	0.6
150°-160°	65.6	0.4
160°-170°	32.9	0.2
170°-180°	8.9	0.1
0°-30°	7665.0	43.2
0°-40°	11674.2	65.8
0°-60°	14734.4	83.1
0°-90°	16599.6	93.6
90°-120°	621.6	3.5
90°-150°	1031.4	5.8
90°-180°	1139.0	6.4
0°-180°	17738.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9626	
5°	9608	914
15°	9444	2664
25°	8912	4087
35°	6502	4009
45°	2779	2152
55°	966	908
65°	852	839
75°	638	667
85°	324	297
90°	204	116
95°	195	160
105°	200	211
115°	198	197
125°	190	170
135°	178	138
145°	162	102
155°	141	66
165°	115	33
175°	93	9
180°	91	

TEST NUMBER: P1221300

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (6500K_L18_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	9626.0
2.5°	9608.2
5°	9608.2
7.5°	9575.0
10°	9521.5
12.5°	9489.5
15°	9444.4
17.5°	9348.2
20°	9210.5
22.5°	9064.5
25°	8912.5
27.5°	8707.1
30°	8261.9
32.5°	7479.5
35°	6502.4
37.5°	5470.7
40°	4491.3
42.5°	3616.3
45°	2779.3
47.5°	1988.6
50°	1320.2
52.5°	1050.7
55°	966.4
57.5°	932.0
60°	907.0
62.5°	883.3
65°	852.4
67.5°	813.2
70°	764.6
72.5°	706.4
75°	637.5
77.5°	560.4
80°	480.8
82.5°	401.3
85°	324.1
87.5°	249.3
90°	204.2
92.5°	192.3
95°	194.7
97.5°	195.9
100°	198.3
102.5°	199.5
105°	199.5
107.5°	200.6
110°	199.5

TEST NUMBER: P1221300

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (6500K_L18_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	199.5
115°	198.3
117.5°	197.1
120°	194.7
122.5°	192.3
125°	190.0
127.5°	187.6
130°	184.0
132.5°	181.6
135°	178.1
137.5°	174.5
140°	169.8
142.5°	166.2
145°	161.5
147.5°	156.7
150°	152.0
152.5°	147.2
155°	141.3
157.5°	135.3
160°	129.4
162.5°	122.3
165°	115.2
167.5°	106.9
170°	98.5
172.5°	91.4
175°	92.6
177.5°	92.6
180°	91.4

TEST NUMBER: P1221300

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (6500K_L18_Wide_120V)

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	13.65	14.85	14.13	15.30	15.78	13.65	14.85	14.13	15.30	15.78
	3H	16.07	17.15	16.56	17.61	18.13	16.07	17.15	16.56	17.61	18.13
	4H	17.04	18.04	17.55	18.52	19.06	17.04	18.04	17.55	18.52	19.06
	6H	17.78	18.71	18.31	19.21	19.76	17.78	18.71	18.31	19.21	19.76
	8H	18.05	18.93	18.59	19.45	20.01	18.05	18.93	18.59	19.45	20.01
	12H	18.26	19.10	18.80	19.61	20.19	18.26	19.10	18.80	19.61	20.19
4H	2H	14.35	15.36	14.86	15.84	16.37	14.35	15.36	14.86	15.84	16.37
	3H	16.93	17.78	17.46	18.30	18.86	16.93	17.78	17.46	18.30	18.86
	4H	18.01	18.77	18.55	19.31	19.90	18.01	18.77	18.55	19.31	19.90
	6H	18.88	19.54	19.45	20.10	20.72	18.88	19.54	19.45	20.10	20.72
	8H	19.20	19.82	19.77	20.38	21.00	19.20	19.82	19.77	20.38	21.00
	12H	19.46	20.01	20.05	20.61	21.23	19.46	20.01	20.05	20.61	21.23
8H	4H	18.34	18.96	18.91	19.52	20.14	18.34	18.96	18.91	19.52	20.14
	6H	19.34	19.85	19.94	20.46	21.08	19.34	19.85	19.94	20.46	21.08
	8H	19.75	20.21	20.37	20.83	21.47	19.75	20.21	20.37	20.83	21.47
	12H	20.12	20.52	20.73	21.12	21.83	20.12	20.52	20.73	21.12	21.83
12H	4H	18.37	18.92	18.96	19.51	20.13	18.37	18.92	18.96	19.51	20.13
	6H	19.41	19.87	20.03	20.49	21.12	19.41	19.87	20.03	20.49	21.12
	8H	19.88	20.28	20.50	20.89	21.60	19.88	20.28	20.50	20.89	21.60

END OF REPORT