

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: P1221264

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3000K_L18_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221264
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

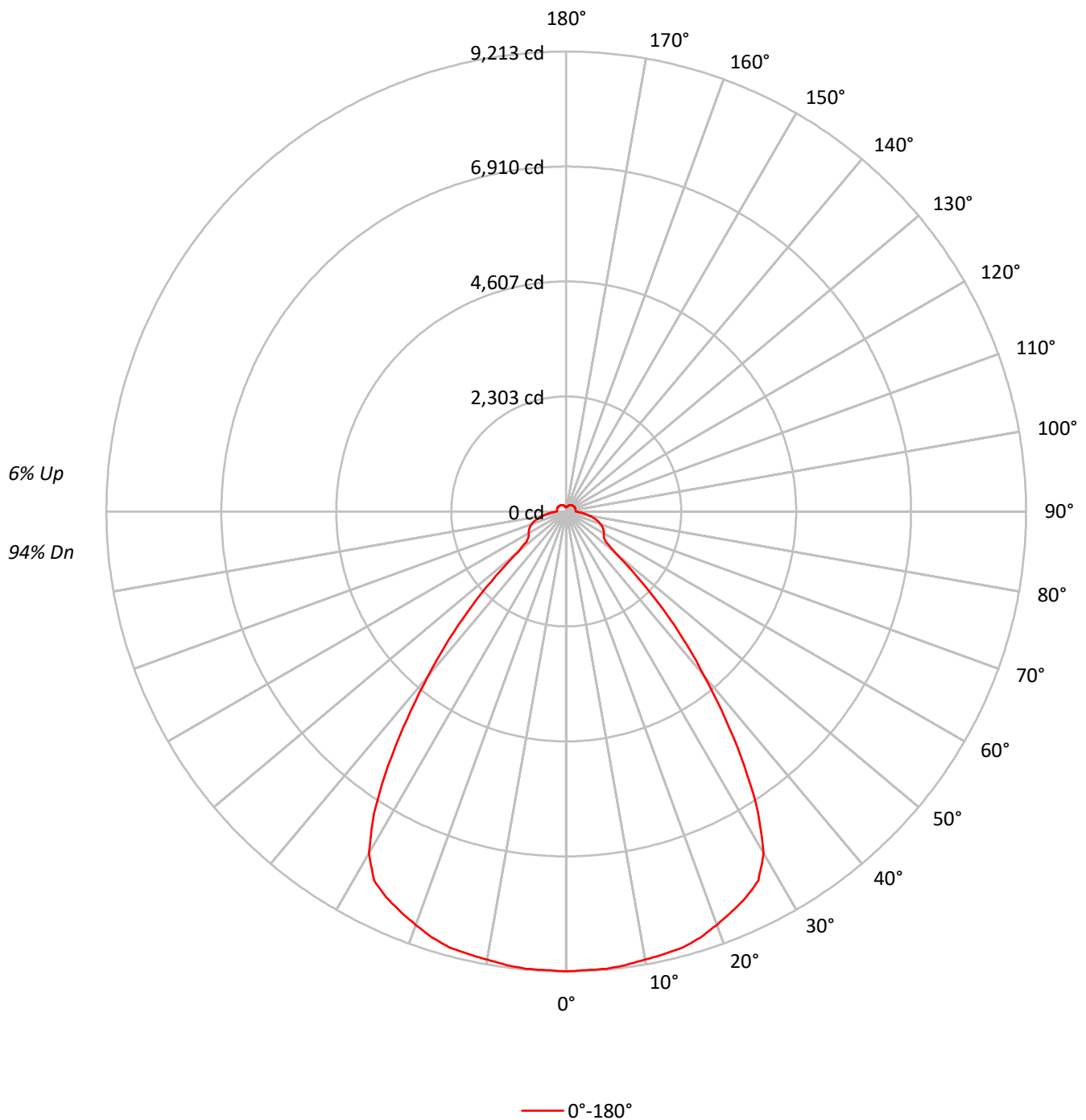
Lumens per Lamp: N/A
Luminaire Lumens: 16977.2 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 123.3
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°	50365
5°	48204
10°	46219
15°	44733
20°	42911
25°	41163
30°	38118
35°	30198
40°	21158
45°	13388
50°	6557
55°	4993
60°	4922
65°	4909
70°	4730
75°	4295
80°	3586
85°	2730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 13388 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	875.0	5.2
10°-20°	2549.4	15.0
20°-30°	3911.8	23.0
30°-40°	3837.1	22.6
40°-50°	2059.6	12.1
50°-60°	869.3	5.1
60°-70°	803.1	4.7
70°-80°	638.6	3.8
80°-90°	343.5	2.0
90°-100°	204.7	1.2
100°-110°	202.1	1.2
110°-120°	188.1	1.1
120°-130°	163.1	1.0
130°-140°	131.9	0.8
140°-150°	97.2	0.6
150°-160°	62.8	0.4
160°-170°	31.5	0.2
170°-180°	8.5	0.1
0°-30°	7336.1	43.2
0°-40°	11173.2	65.8
0°-60°	14102.1	83.1
0°-90°	15887.3	93.6
90°-120°	594.9	3.5
90°-150°	987.1	5.8
90°-180°	1090.0	6.4
0°-180°	16977.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9213	
5°	9196	875
15°	9039	2549
25°	8530	3912
35°	6223	3837
45°	2660	2060
55°	925	869
65°	816	803
75°	610	639
85°	310	284
90°	195	111
95°	186	153
105°	191	202
115°	190	188
125°	182	163
135°	170	132
145°	154	97
155°	135	63
165°	110	32
175°	89	9
180°	88	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9212.9
2.5°	9195.9
5°	9195.9
7.5°	9164.1
10°	9113.0
12.5°	9082.3
15°	9039.1
17.5°	8947.1
20°	8815.2
22.5°	8675.5
25°	8530.0
27.5°	8333.5
30°	7907.4
32.5°	7158.6
35°	6223.4
37.5°	5236.0
40°	4298.5
42.5°	3461.1
45°	2660.0
47.5°	1903.3
50°	1263.5
52.5°	1005.6
55°	924.9
57.5°	892.0
60°	868.1
62.5°	845.4
65°	815.8
67.5°	778.4
70°	731.8
72.5°	676.1
75°	610.2
77.5°	536.3
80°	460.2
82.5°	384.1
85°	310.2
87.5°	238.6
90°	195.4
92.5°	184.1
95°	186.3
97.5°	187.5
100°	189.8
102.5°	190.9
105°	190.9
107.5°	192.0
110°	190.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	190.9
115°	189.8
117.5°	188.6
120°	186.3
122.5°	184.1
125°	181.8
127.5°	179.5
130°	176.1
132.5°	173.9
135°	170.4
137.5°	167.0
140°	162.5
142.5°	159.1
145°	154.5
147.5°	150.0
150°	145.4
152.5°	140.9
155°	135.2
157.5°	129.5
160°	123.9
162.5°	117.0
165°	110.2
167.5°	102.3
170°	94.3
172.5°	87.5
175°	88.6
177.5°	88.6
180°	87.5

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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	13.50	14.70	13.98	15.15	15.63	13.50	14.70	13.98	15.15	15.63
	3H	15.92	17.00	16.41	17.46	17.98	15.92	17.00	16.41	17.46	17.98
	4H	16.88	17.89	17.40	18.37	18.91	16.88	17.89	17.40	18.37	18.91
	6H	17.63	18.56	18.15	19.06	19.60	17.63	18.56	18.15	19.06	19.60
	8H	17.90	18.78	18.44	19.30	19.85	17.90	18.78	18.44	19.30	19.85
	12H	18.10	18.95	18.64	19.46	20.04	18.10	18.95	18.64	19.46	20.04
4H	2H	14.20	15.20	14.71	15.68	16.22	14.20	15.20	14.71	15.68	16.22
	3H	16.78	17.62	17.30	18.15	18.71	16.78	17.62	17.30	18.15	18.71
	4H	17.86	18.62	18.40	19.16	19.75	17.86	18.62	18.40	19.16	19.75
	6H	18.73	19.39	19.30	19.95	20.56	18.73	19.39	19.30	19.95	20.56
	8H	19.05	19.67	19.62	20.23	20.85	19.05	19.67	19.62	20.23	20.85
	12H	19.31	19.86	19.90	20.45	21.07	19.31	19.86	19.90	20.45	21.07
8H	4H	18.19	18.81	18.76	19.37	19.98	18.19	18.81	18.76	19.37	19.98
	6H	19.19	19.70	19.79	20.31	20.93	19.19	19.70	19.79	20.31	20.93
	8H	19.60	20.06	20.22	20.68	21.32	19.60	20.06	20.22	20.68	21.32
	12H	19.97	20.37	20.58	20.97	21.68	19.97	20.37	20.58	20.97	21.68
12H	4H	18.21	18.77	18.80	19.36	19.98	18.21	18.77	18.80	19.36	19.98
	6H	19.25	19.71	19.88	20.33	20.97	19.25	19.71	19.88	20.33	20.97
	8H	19.73	20.13	20.34	20.73	21.44	19.73	20.13	20.34	20.73	21.44