

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: P1221274

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_L12_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221274
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-20)
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_L12_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

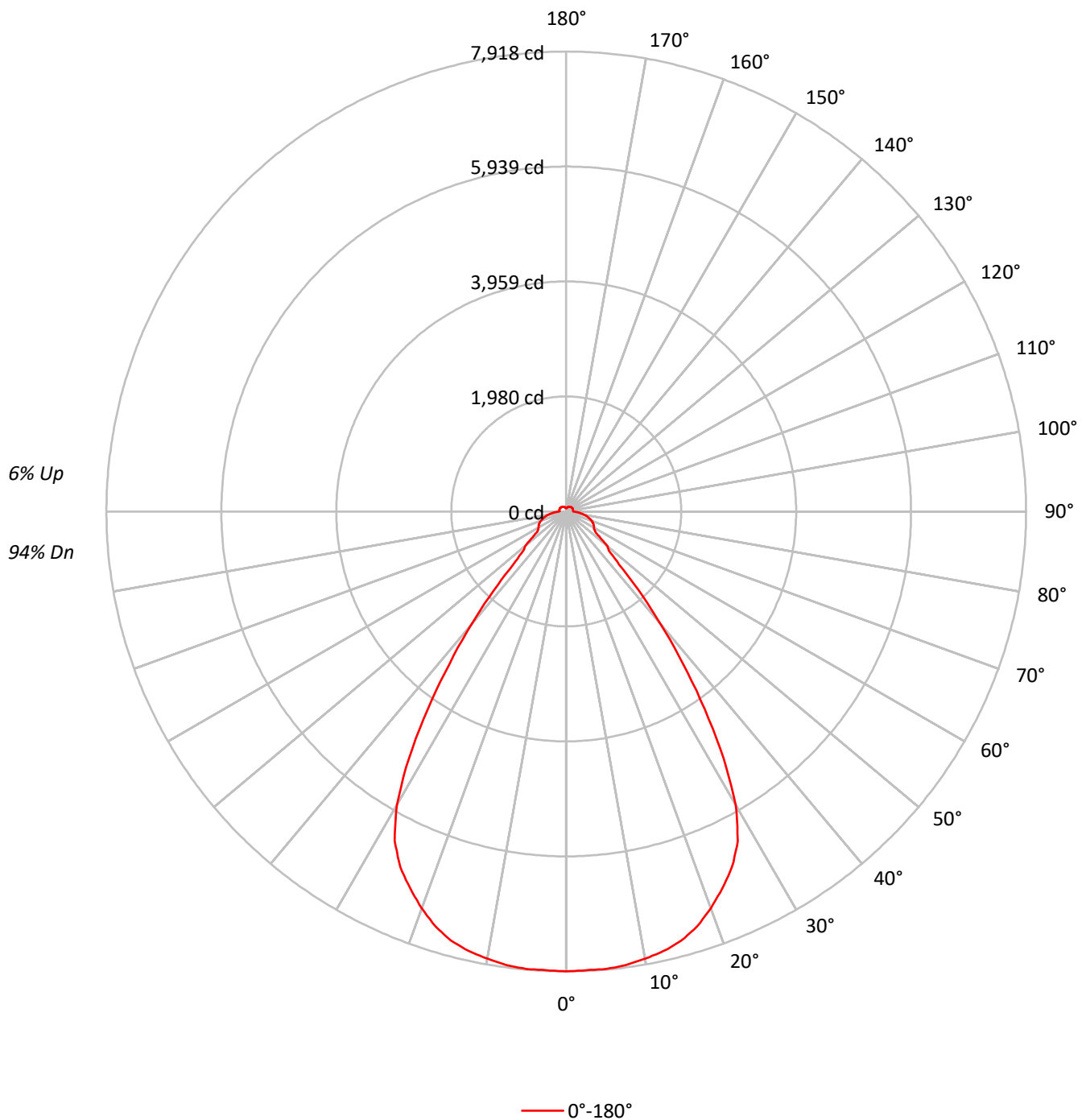
Lumens per Lamp: N/A
Luminaire Lumens: 12104.8 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 80.1
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		97	97	97
1	110	106	102	99		106	103	100	97		98	95	93		93	91	89		89	87	86
2	102	96	90	86		99	93	89	84		89	85	82		85	82	79		82	79	77
3	96	87	81	76		93	85	79	75		82	77	73		78	74	71		75	72	69
4	89	80	73	68		87	78	72	67		75	70	65		72	68	64		70	66	63
5	84	73	66	61		82	72	65	60		69	64	59		67	62	58		65	61	57
6	79	68	61	55		77	67	60	55		64	58	54		62	57	53		60	56	52
7	74	63	56	51		72	62	55	50		60	54	50		58	53	49		56	52	48
8	70	58	51	47		68	58	51	46		56	50	46		54	49	45		53	48	45
9	66	55	48	43		64	54	47	43		52	46	42		51	46	42		50	45	41
10	62	51	44	40		61	50	44	40		49	43	39		48	43	39		47	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43285
5°	41442
10°	39652
15°	37871
20°	35393
25°	32604
30°	28135
35°	20173
40°	12454
45°	6479
50°	4791
55°	3300
60°	3128
65°	3106
70°	2984
75°	2759
80°	2385
85°	1833

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6479 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	751.9	6.2
10°-20°	2149.4	17.8
20°-30°	3075.0	25.4
30°-40°	2578.8	21.3
40°-50°	1115.2	9.2
50°-60°	591.3	4.9
60°-70°	508.1	4.2
70°-80°	410.8	3.4
80°-90°	229.1	1.9
90°-100°	130.3	1.1
100°-110°	128.5	1.1
110°-120°	119.8	1.0
120°-130°	103.8	0.9
130°-140°	83.9	0.7
140°-150°	62.1	0.5
150°-160°	40.6	0.3
160°-170°	20.6	0.2
170°-180°	5.7	0.0
0°-30°	5976.2	49.4
0°-40°	8555.0	70.7
0°-60°	10261.5	84.8
0°-90°	11409.5	94.3
90°-120°	378.6	3.1
90°-150°	628.3	5.2
90°-180°	695.0	5.7
0°-180°	12104.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7918	
5°	7906	752
15°	7652	2149
25°	6756	3075
35°	4157	2579
45°	1287	1115
55°	611	591
65°	516	508
75°	392	411
85°	208	190
90°	126	72
95°	118	97
105°	122	129
115°	121	120
125°	116	104
135°	108	84
145°	99	62
155°	88	41
165°	72	21
175°	59	6
180°	59	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7917.8
2.5°	7905.0
5°	7905.9
7.5°	7877.8
10°	7818.3
12.5°	7751.1
15°	7652.5
17.5°	7491.0
20°	7270.8
22.5°	7024.2
25°	6756.4
27.5°	6398.5
30°	5836.5
32.5°	5043.3
35°	4157.4
37.5°	3299.6
40°	2530.2
42.5°	1843.2
45°	1287.2
47.5°	993.0
50°	923.3
52.5°	729.5
55°	611.3
57.5°	571.3
60°	551.8
62.5°	535.6
65°	516.1
67.5°	491.4
70°	461.7
72.5°	428.5
75°	391.9
77.5°	351.1
80°	306.1
82.5°	259.3
85°	208.3
87.5°	157.3
90°	125.8
92.5°	116.5
95°	118.2
97.5°	119.9
100°	120.7
102.5°	121.6
105°	121.6
107.5°	121.6
110°	121.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	121.6
115°	120.7
117.5°	119.9
120°	119.0
122.5°	117.3
125°	115.6
127.5°	113.9
130°	112.2
132.5°	110.5
135°	108.0
137.5°	106.3
140°	103.7
142.5°	101.2
145°	98.6
147.5°	96.1
150°	93.5
152.5°	91.0
155°	87.6
157.5°	84.2
160°	79.9
162.5°	76.5
165°	72.3
167.5°	67.2
170°	62.9
172.5°	58.7
175°	58.7
177.5°	58.7
180°	58.7

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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	11.67	12.83	12.14	13.26	13.72	11.67	12.83	12.14	13.26	13.72
	3H	14.03	15.07	14.51	15.52	16.02	14.03	15.07	14.51	15.52	16.02
	4H	15.00	15.97	15.51	16.44	16.97	15.00	15.97	15.51	16.44	16.97
	6H	15.80	16.69	16.31	17.18	17.71	15.80	16.69	16.31	17.18	17.71
	8H	16.09	16.94	16.62	17.44	17.99	16.09	16.94	16.62	17.44	17.99
	12H	16.32	17.13	16.85	17.63	18.19	16.32	17.13	16.85	17.63	18.19
4H	2H	12.34	13.31	12.84	13.77	14.30	12.34	13.31	12.84	13.77	14.30
	3H	14.87	15.68	15.39	16.20	16.74	14.87	15.68	15.39	16.20	16.74
	4H	15.97	16.70	16.50	17.22	17.80	15.97	16.70	16.50	17.22	17.80
	6H	16.89	17.53	17.45	18.08	18.68	16.89	17.53	17.45	18.08	18.68
	8H	17.24	17.84	17.81	18.39	18.99	17.24	17.84	17.81	18.39	18.99
	12H	17.53	18.05	18.11	18.64	19.24	17.53	18.05	18.11	18.64	19.24
8H	4H	16.30	16.89	16.86	17.44	18.05	16.30	16.89	16.86	17.44	18.05
	6H	17.37	17.86	17.96	18.45	19.06	17.37	17.86	17.96	18.45	19.06
	8H	17.82	18.26	18.43	18.87	19.49	17.82	18.26	18.43	18.87	19.49
	12H	18.21	18.60	18.82	19.19	19.89	18.21	18.60	18.82	19.19	19.89
12H	4H	16.33	16.86	16.91	17.44	18.05	16.33	16.86	16.91	17.44	18.05
	6H	17.44	17.88	18.05	18.49	19.11	17.44	17.88	18.05	18.49	19.11
	8H	17.95	18.34	18.56	18.93	19.63	17.95	18.34	18.56	18.93	19.63