

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: P1221258

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3000K_L12_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221258
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_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

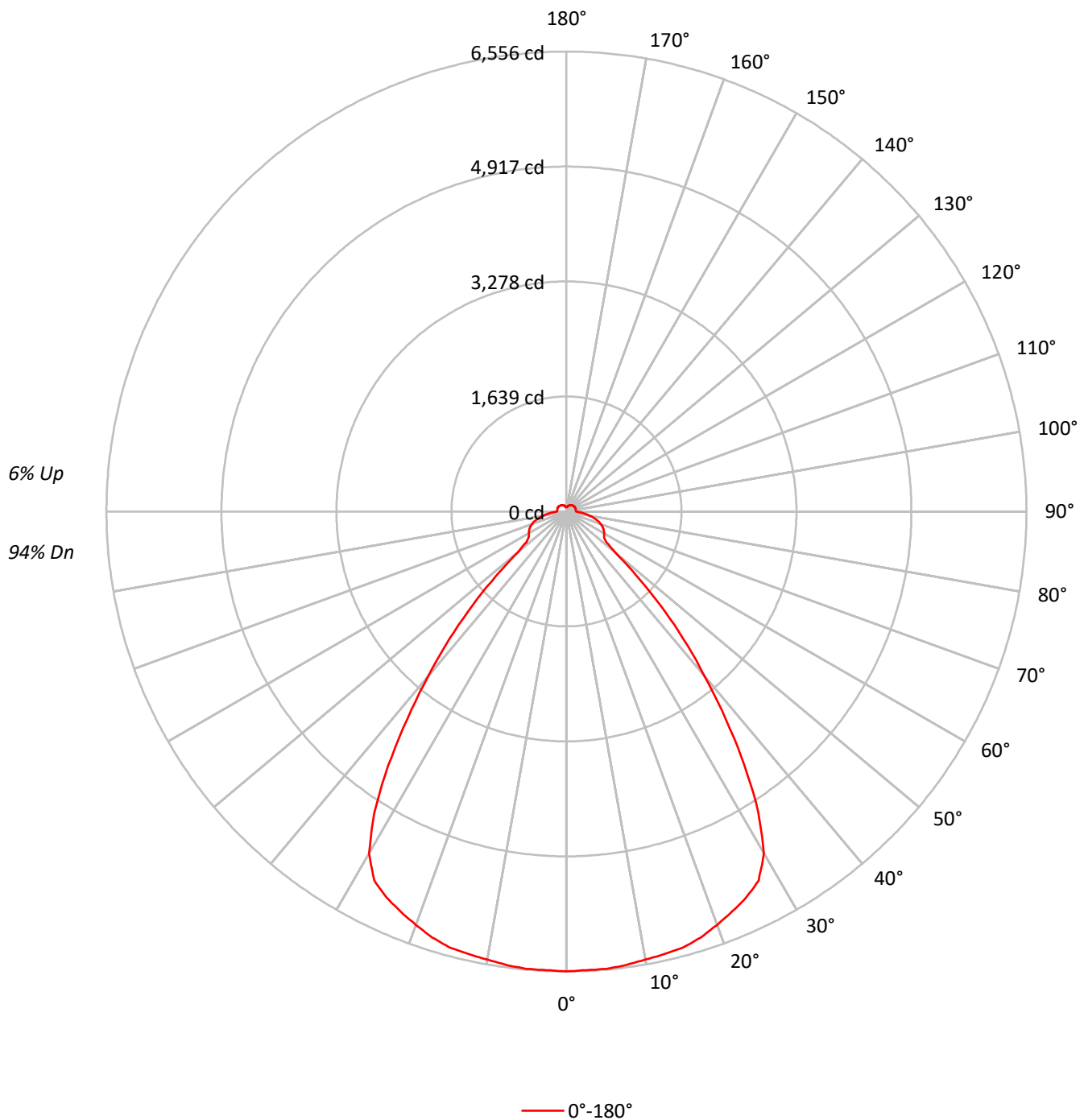
Lumens per Lamp: N/A
Luminaire Lumens: 12081.2 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 81.4
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°	35841
5°	34302
10°	32890
15°	31832
20°	30536
25°	29292
30°	27125
35°	21489
40°	15057
45°	9527
50°	4666
55°	3553
60°	3503
65°	3494
70°	3366
75°	3056
80°	2552
85°	1942

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 9527 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	622.7	5.2
10°-20°	1814.2	15.0
20°-30°	2783.7	23.0
30°-40°	2730.5	22.6
40°-50°	1465.7	12.1
50°-60°	618.6	5.1
60°-70°	571.5	4.7
70°-80°	454.4	3.8
80°-90°	244.4	2.0
90°-100°	145.7	1.2
100°-110°	143.8	1.2
110°-120°	133.8	1.1
120°-130°	116.1	1.0
130°-140°	93.9	0.8
140°-150°	69.2	0.6
150°-160°	44.7	0.4
160°-170°	22.4	0.2
170°-180°	6.1	0.1
0°-30°	5220.5	43.2
0°-40°	7951.0	65.8
0°-60°	10035.2	83.1
0°-90°	11305.6	93.6
90°-120°	423.3	3.5
90°-150°	702.4	5.8
90°-180°	776.0	6.4
0°-180°	12081.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6556	
5°	6544	623
15°	6432	1814
25°	6070	2784
35°	4429	2731
45°	1893	1466
55°	658	619
65°	581	571
75°	434	454
85°	221	202
90°	139	79
95°	133	109
105°	136	144
115°	135	134
125°	129	116
135°	121	94
145°	110	69
155°	96	45
165°	78	22
175°	63	6
180°	62	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6556.0
2.5°	6543.9
5°	6543.9
7.5°	6521.3
10°	6484.9
12.5°	6463.0
15°	6432.3
17.5°	6366.8
20°	6273.0
22.5°	6173.6
25°	6070.1
27.5°	5930.2
30°	5627.0
32.5°	5094.1
35°	4428.6
37.5°	3726.0
40°	3058.9
42.5°	2463.0
45°	1892.9
47.5°	1354.4
50°	899.1
52.5°	715.6
55°	658.2
57.5°	634.7
60°	617.8
62.5°	601.6
65°	580.6
67.5°	553.9
70°	520.7
72.5°	481.1
75°	434.2
77.5°	381.7
80°	327.5
82.5°	273.3
85°	220.7
87.5°	169.8
90°	139.1
92.5°	131.0
95°	132.6
97.5°	133.4
100°	135.0
102.5°	135.8
105°	135.8
107.5°	136.7
110°	135.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	135.8
115°	135.0
117.5°	134.2
120°	132.6
122.5°	131.0
125°	129.4
127.5°	127.8
130°	125.3
132.5°	123.7
135°	121.3
137.5°	118.9
140°	115.6
142.5°	113.2
145°	110.0
147.5°	106.7
150°	103.5
152.5°	100.3
155°	96.2
157.5°	92.2
160°	88.1
162.5°	83.3
165°	78.4
167.5°	72.8
170°	67.1
172.5°	62.3
175°	63.1
177.5°	63.1
180°	62.3

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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	12.32	13.52	12.79	13.97	14.44	12.32	13.52	12.79	13.97	14.44
	3H	14.74	15.81	15.23	16.28	16.80	14.74	15.81	15.23	16.28	16.80
	4H	15.70	16.71	16.21	17.19	17.73	15.70	16.71	16.21	17.19	17.73
	6H	16.45	17.38	16.97	17.87	18.42	16.45	17.38	16.97	17.87	18.42
	8H	16.72	17.60	17.25	18.11	18.67	16.72	17.60	17.25	18.11	18.67
	12H	16.92	17.77	17.46	18.27	18.86	16.92	17.77	17.46	18.27	18.86
4H	2H	13.01	14.02	13.53	14.50	15.04	13.01	14.02	13.53	14.50	15.04
	3H	15.60	16.44	16.12	16.97	17.52	15.60	16.44	16.12	16.97	17.52
	4H	16.68	17.44	17.22	17.97	18.57	16.68	17.44	17.22	17.97	18.57
	6H	17.55	18.21	18.11	18.77	19.38	17.55	18.21	18.11	18.77	19.38
	8H	17.87	18.49	18.44	19.05	19.66	17.87	18.49	18.44	19.05	19.66
	12H	18.13	18.68	18.72	19.27	19.89	18.13	18.68	18.72	19.27	19.89
8H	4H	17.00	17.62	17.58	18.18	18.80	17.00	17.62	17.58	18.18	18.80
	6H	18.01	18.52	18.61	19.13	19.75	18.01	18.52	18.61	19.13	19.75
	8H	18.42	18.88	19.04	19.50	20.13	18.42	18.88	19.04	19.50	20.13
	12H	18.78	19.19	19.40	19.79	20.50	18.78	19.19	19.40	19.79	20.50
12H	4H	17.03	17.58	17.62	18.18	18.80	17.03	17.58	17.62	18.18	18.80
	6H	18.07	18.53	18.69	19.15	19.79	18.07	18.53	18.69	19.15	19.79
	8H	18.54	18.95	19.16	19.55	20.26	18.54	18.95	19.16	19.55	20.26