

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: P1221299

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (6500K_L18_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221299
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-19)
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_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

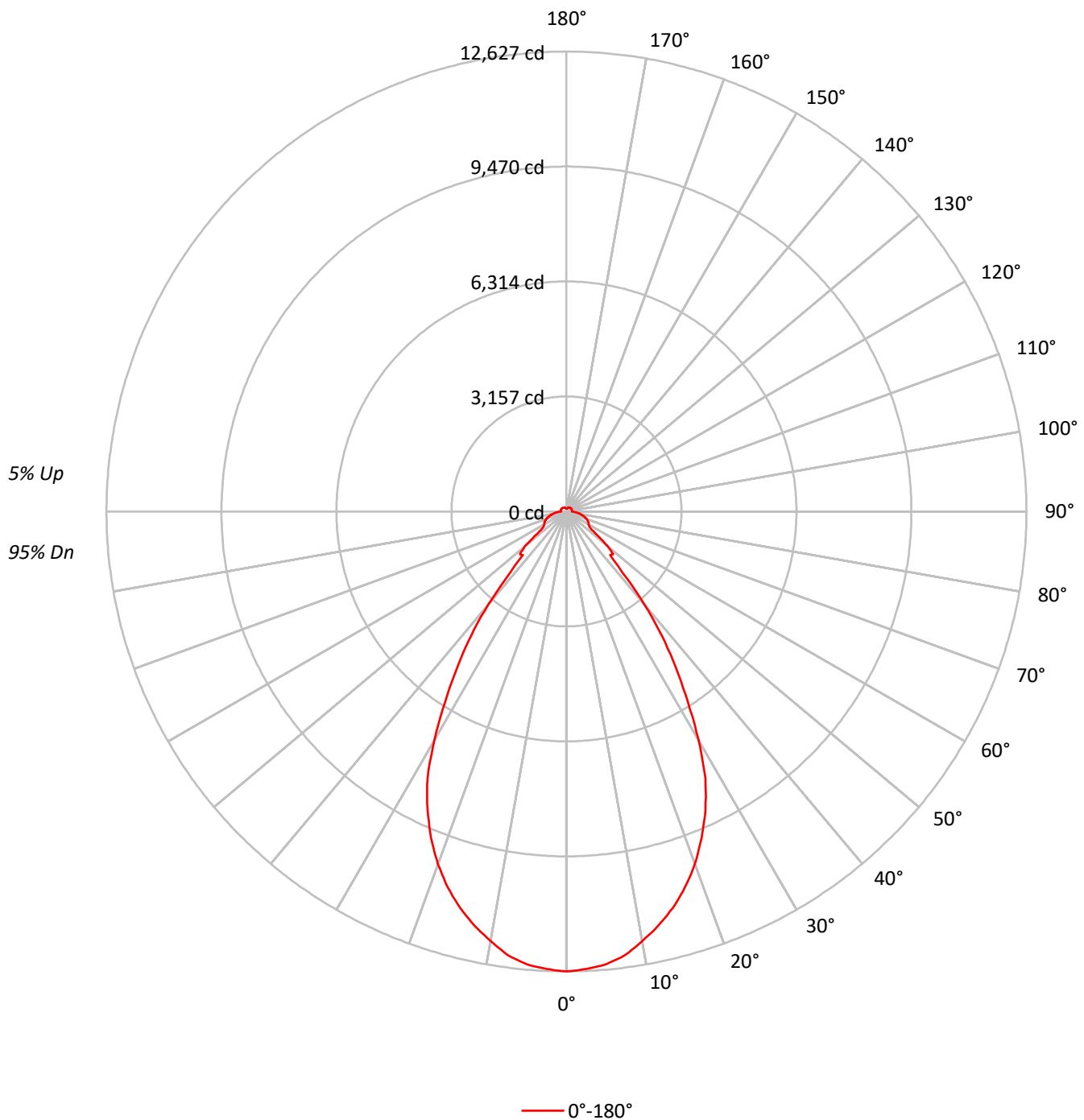
Lumens per Lamp: N/A
Luminaire Lumens: 16395.0 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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

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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	103	100		107	103	100	98		98	96	94		94	92	90		89	88	86
2	103	96	91	87		100	94	89	85		90	86	83		86	83	80		82	80	77
3	96	88	82	77		93	86	80	76		82	78	74		79	75	72		76	73	70
4	90	81	74	69		88	79	73	68		76	71	66		73	69	65		71	67	64
5	85	74	67	62		82	73	66	61		70	65	60		68	63	59		66	62	58
6	79	69	62	57		77	68	61	56		66	60	55		63	58	54		62	57	54
7	75	64	57	52		73	63	56	52		61	55	51		59	54	50		58	53	50
8	71	60	53	48		69	59	52	48		57	51	47		56	50	46		54	49	46
9	67	56	49	44		65	55	49	44		54	48	44		52	47	43		51	46	43
10	63	52	46	41		62	52	45	41		50	45	41		49	44	40		48	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69031
5°	65444
10°	60767
15°	55786
20°	50164
25°	43564
30°	34945
35°	25370
40°	16444
45°	8533
50°	7596
55°	4294
60°	3998
65°	3950
70°	3753
75°	3401
80°	2933
85°	2299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 47.5°
Luminance: 8873 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1175.8	7.2
10°-20°	3157.4	19.3
20°-30°	4099.1	25.0
30°-40°	3255.6	19.9
40°-50°	1558.6	9.5
50°-60°	808.3	4.9
60°-70°	645.4	3.9
70°-80°	508.9	3.1
80°-90°	284.5	1.7
90°-100°	165.3	1.0
100°-110°	165.8	1.0
110°-120°	155.1	0.9
120°-130°	134.9	0.8
130°-140°	109.5	0.7
140°-150°	81.7	0.5
150°-160°	53.8	0.3
160°-170°	27.6	0.2
170°-180°	7.6	0.0
0°-30°	8432.4	51.4
0°-40°	11688.0	71.3
0°-60°	14054.8	85.7
0°-90°	15493.6	94.5
90°-120°	486.2	3.0
90°-150°	812.4	5.0
90°-180°	901.0	5.5
0°-180°	16395.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12627	
5°	12485	###
15°	11273	3157
25°	9028	4099
35°	5228	3256
45°	1695	1559
55°	795	808
65°	656	645
75°	483	509
85°	261	237
90°	147	88
95°	152	125
105°	157	166
115°	157	155
125°	151	135
135°	141	110
145°	129	82
155°	116	54
165°	96	28
175°	80	8
180°	80	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12627.3
2.5°	12576.3
5°	12484.9
7.5°	12290.1
10°	11981.5
12.5°	11651.4
15°	11272.7
17.5°	10826.3
20°	10305.1
22.5°	9705.6
25°	9027.7
27.5°	8263.1
30°	7249.2
32.5°	6197.3
35°	5228.5
37.5°	4309.6
40°	3340.8
42.5°	2300.8
45°	1695.4
47.5°	1738.1
50°	1463.8
52.5°	1015.1
55°	795.4
57.5°	734.9
60°	705.2
62.5°	683.8
65°	656.5
67.5°	620.9
70°	580.6
72.5°	534.3
75°	483.2
77.5°	431.0
80°	376.4
82.5°	320.6
85°	261.2
87.5°	200.6
90°	147.2
92.5°	149.6
95°	152.0
97.5°	153.2
100°	155.5
102.5°	156.7
105°	156.7
107.5°	156.7
110°	157.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	156.7
115°	156.7
117.5°	155.5
120°	154.3
122.5°	152.0
125°	150.8
127.5°	148.4
130°	146.0
132.5°	143.7
135°	141.3
137.5°	138.9
140°	136.5
142.5°	133.0
145°	129.4
147.5°	127.0
150°	123.5
152.5°	119.9
155°	116.3
157.5°	111.6
160°	106.9
162.5°	102.1
165°	96.2
167.5°	90.2
170°	84.3
172.5°	78.4
175°	79.5
177.5°	79.5
180°	79.5

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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	12.38	13.54	12.85	13.97	14.42	12.38	13.54	12.85	13.97	14.42
	3H	14.68	15.71	15.15	16.15	16.65	14.68	15.71	15.15	16.15	16.65
	4H	15.60	16.56	16.10	17.02	17.54	15.60	16.56	16.10	17.02	17.54
	6H	16.35	17.24	16.86	17.72	18.24	16.35	17.24	16.86	17.72	18.24
	8H	16.63	17.47	17.16	17.97	18.51	16.63	17.47	17.16	17.97	18.51
	12H	16.85	17.66	17.38	18.15	18.71	16.85	17.66	17.38	18.15	18.71
4H	2H	13.03	14.00	13.53	14.46	14.98	13.03	14.00	13.53	14.46	14.98
	3H	15.50	16.30	16.01	16.81	17.35	15.50	16.30	16.01	16.81	17.35
	4H	16.54	17.26	17.07	17.78	18.36	16.54	17.26	17.07	17.78	18.36
	6H	17.42	18.05	17.97	18.60	19.19	17.42	18.05	17.97	18.60	19.19
	8H	17.76	18.35	18.32	18.90	19.49	17.76	18.35	18.32	18.90	19.49
	12H	18.04	18.56	18.62	19.14	19.74	18.04	18.56	18.62	19.14	19.74
8H	4H	16.85	17.44	17.41	17.99	18.59	16.85	17.44	17.41	17.99	18.59
	6H	17.88	18.36	18.47	18.95	19.56	17.88	18.36	18.47	18.95	19.56
	8H	18.32	18.75	18.93	19.36	19.97	18.32	18.75	18.93	19.36	19.97
	12H	18.71	19.09	19.31	19.68	20.37	18.71	19.09	19.31	19.68	20.37
12H	4H	16.88	17.40	17.46	17.98	18.58	16.88	17.40	17.46	17.98	18.58
	6H	17.95	18.38	18.56	18.99	19.60	17.95	18.38	18.56	18.99	19.60
	8H	18.45	18.83	19.05	19.42	20.11	18.45	18.83	19.05	19.42	20.11

END OF REPORT