

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: P1221332

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (5000K_L16_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221332
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (5000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

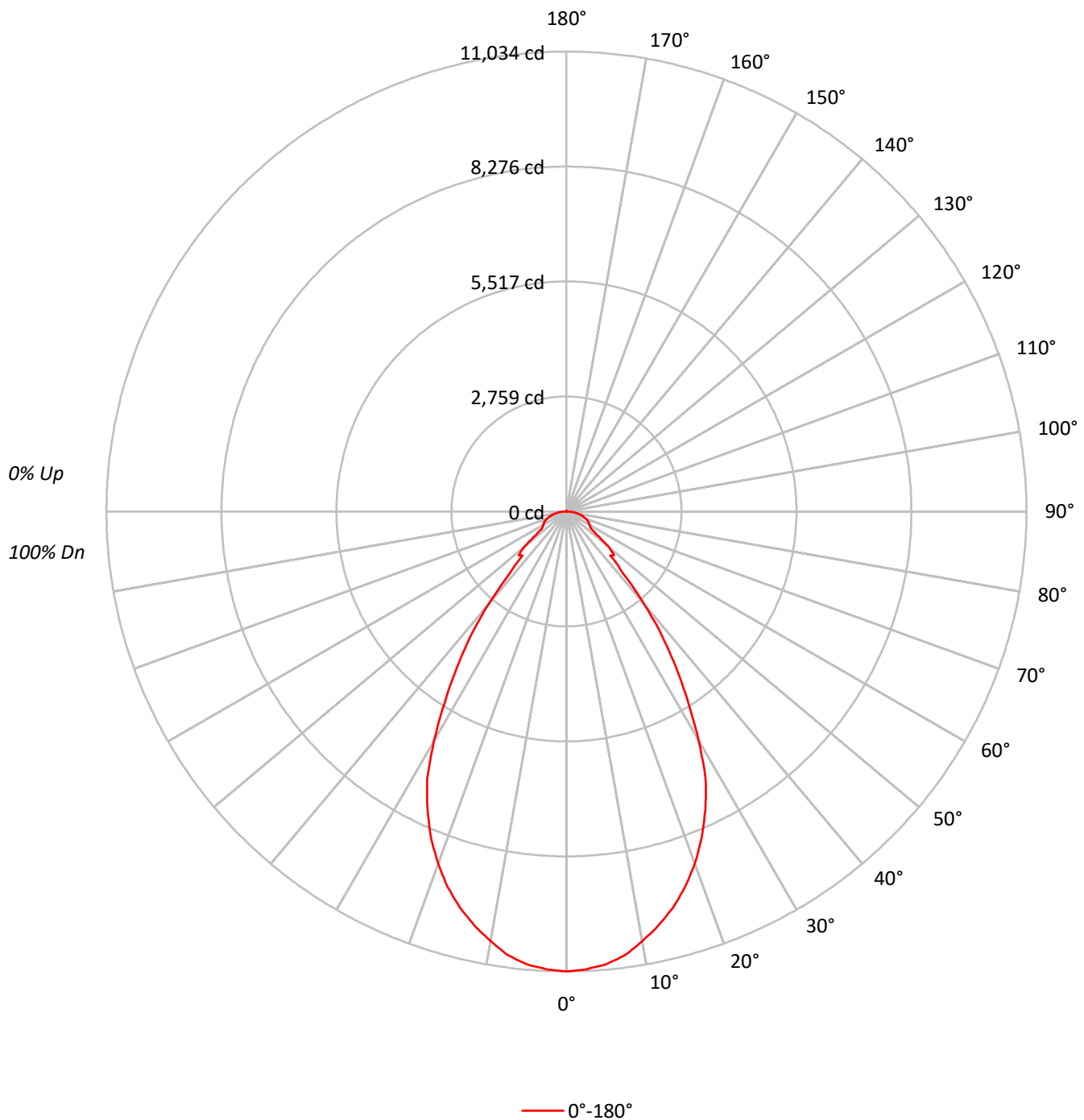
Lumens per Lamp: N/A
Luminaire Lumens: 13450.4 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 99.2
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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	112	108	105	102	109	106	103	100	102	99	97		98	96	94		90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		80
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		73
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		66
5	86	76	69	64	84	75	69	64	73	68	63		71	66	63		60
6	81	71	64	59	80	70	63	58	68	62	58		67	61	57		55
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		51
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		47
9	68	57	51	46	67	57	50	46	56	50	46		55	49	46		44
10	65	54	47	43	64	53	47	43	53	47	43		52	46	43		41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60322
5°	57184
10°	53101
15°	48733
20°	43801
25°	38055
30°	30578
35°	22254
40°	14375
45°	7486
50°	6798
55°	3915
60°	3623
65°	3463
70°	3143
75°	2650
80°	2006
85°	1137

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 7933 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1027.5	7.6
10°-20°	2757.9	20.5
20°-30°	3582.8	26.6
30°-40°	2852.7	21.2
40°-50°	1373.4	10.2
50°-60°	732.7	5.4
60°-70°	565.6	4.2
70°-80°	395.4	2.9
80°-90°	139.8	1.0
90°-100°	1.1	0.0
100°-110°	1.5	0.0
110°-120°	2.1	0.0
120°-130°	2.2	0.0
130°-140°	3.0	0.0
140°-150°	4.5	0.0
150°-160°	4.3	0.0
160°-170°	3.0	0.0
170°-180°	1.1	0.0
0°-30°	7368.2	54.8
0°-40°	10220.9	76.0
0°-60°	12327.0	91.6
0°-90°	13427.7	99.8
90°-120°	4.7	0.0
90°-150°	14.3	0.1
90°-180°	23.0	0.2
0°-180°	13450.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11034	
5°	10909	###
15°	9847	2758
25°	7886	3583
35°	4586	2853
45°	1487	1373
55°	725	733
65°	576	566
75°	376	395
85°	129	131
90°	1	9
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	4	3
145°	7	4
155°	9	4
165°	10	3
175°	12	1
180°	12	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11034.2
2.5°	10992.2
5°	10909.1
7.5°	10738.8
10°	10470.0
12.5°	10178.7
15°	9847.4
17.5°	9454.5
20°	8998.1
22.5°	8480.0
25°	7886.1
27.5°	7228.6
30°	6343.4
32.5°	5438.6
35°	4586.2
37.5°	3771.8
40°	2920.4
42.5°	2010.5
45°	1487.4
47.5°	1554.0
50°	1309.9
52.5°	918.1
55°	725.2
57.5°	671.9
60°	639.1
62.5°	611.4
65°	575.5
67.5°	533.4
70°	486.2
72.5°	432.9
75°	376.5
77.5°	317.0
80°	257.5
82.5°	194.9
85°	129.2
87.5°	60.5
90°	1.0
92.5°	1.0
95°	1.0
97.5°	1.0
100°	1.0
102.5°	1.0
105°	1.0
107.5°	2.1
110°	2.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.1
115°	2.1
117.5°	2.1
120°	2.1
122.5°	2.1
125°	2.1
127.5°	3.1
130°	3.1
132.5°	3.1
135°	4.1
137.5°	4.1
140°	5.1
142.5°	6.2
145°	7.2
147.5°	8.2
150°	9.2
152.5°	9.2
155°	9.2
157.5°	9.2
160°	9.2
162.5°	10.3
165°	10.3
167.5°	11.3
170°	11.3
172.5°	11.3
175°	12.3
177.5°	12.3
180°	12.3

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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	12.69	13.92	13.06	14.24	14.56	12.69	13.92	13.06	14.24	14.56
	3H	14.74	15.84	15.13	16.17	16.54	14.74	15.84	15.13	16.17	16.54
	4H	15.49	16.51	15.90	16.87	17.25	15.49	16.51	15.90	16.87	17.25
	6H	16.01	16.95	16.42	17.32	17.72	16.01	16.95	16.42	17.32	17.72
	8H	16.16	17.04	16.59	17.44	17.85	16.16	17.04	16.59	17.44	17.85
	12H	16.23	17.08	16.67	17.47	17.90	16.23	17.08	16.67	17.47	17.90
4H	2H	13.29	14.31	13.69	14.66	15.05	13.29	14.31	13.69	14.66	15.05
	3H	15.50	16.35	15.92	16.76	17.16	15.50	16.35	15.92	16.76	17.16
	4H	16.35	17.11	16.79	17.53	17.98	16.35	17.11	16.79	17.53	17.98
	6H	16.98	17.63	17.44	18.08	18.55	16.98	17.63	17.44	18.08	18.55
	8H	17.16	17.77	17.63	18.22	18.70	17.16	17.77	17.63	18.22	18.70
	12H	17.27	17.81	17.76	18.29	18.77	17.27	17.81	17.76	18.29	18.77
8H	4H	16.59	17.20	17.06	17.65	18.13	16.59	17.20	17.06	17.65	18.13
	6H	17.32	17.82	17.82	18.32	18.80	17.32	17.82	17.82	18.32	18.80
	8H	17.56	18.01	18.09	18.53	19.03	17.56	18.01	18.09	18.53	19.03
	12H	17.73	18.12	18.25	18.62	19.20	17.73	18.12	18.25	18.62	19.20
12H	4H	16.59	17.13	17.08	17.62	18.10	16.59	17.13	17.08	17.62	18.10
	6H	17.34	17.79	17.87	18.31	18.80	17.34	17.79	17.87	18.31	18.80
	8H	17.64	18.03	18.16	18.53	19.10	17.64	18.03	18.16	18.53	19.10

END OF REPORT