

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: P1221287

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221287
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 (5000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

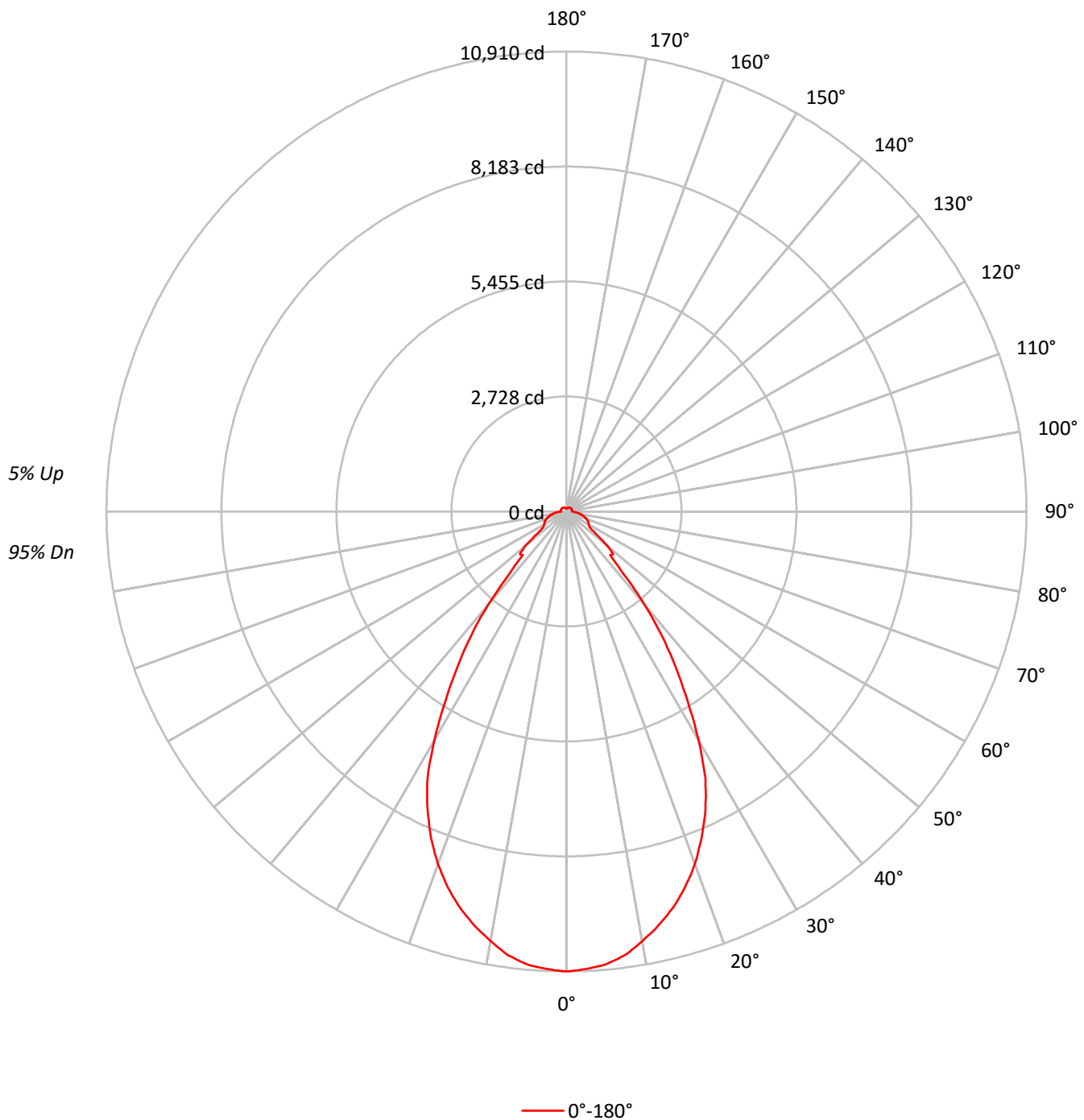
Lumens per Lamp: N/A
Luminaire Lumens: 14165.5 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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		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°	59644
5°	56544
10°	52503
15°	48200
20°	43342
25°	37640
30°	30193
35°	21920
40°	14208
45°	7372
50°	6564
55°	3710
60°	3454
65°	3414
70°	3242
75°	2939
80°	2534
85°	1986

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 47.5°
Luminance: 7666 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1015.9	7.2
10°-20°	2728.0	19.3
20°-30°	3541.7	25.0
30°-40°	2812.9	19.9
40°-50°	1346.6	9.5
50°-60°	698.4	4.9
60°-70°	557.7	3.9
70°-80°	439.6	3.1
80°-90°	245.9	1.7
90°-100°	142.8	1.0
100°-110°	143.2	1.0
110°-120°	134.0	0.9
120°-130°	116.6	0.8
130°-140°	94.6	0.7
140°-150°	70.6	0.5
150°-160°	46.5	0.3
160°-170°	23.8	0.2
170°-180°	6.6	0.0
0°-30°	7285.7	51.4
0°-40°	10098.5	71.3
0°-60°	12143.5	85.7
0°-90°	13386.7	94.5
90°-120°	420.1	3.0
90°-150°	701.9	5.0
90°-180°	779.0	5.5
0°-180°	14165.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10910	
5°	10787	###
15°	9740	2728
25°	7800	3542
35°	4518	2813
45°	1465	1347
55°	687	698
65°	567	558
75°	418	440
85°	226	205
90°	127	76
95°	131	108
105°	135	143
115°	135	134
125°	130	117
135°	122	95
145°	112	71
155°	100	46
165°	83	24
175°	69	7
180°	69	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10910.1
2.5°	10866.0
5°	10787.0
7.5°	10618.8
10°	10352.1
12.5°	10066.9
15°	9739.7
17.5°	9354.0
20°	8903.7
22.5°	8385.7
25°	7800.0
27.5°	7139.4
30°	6263.4
32.5°	5354.5
35°	4517.5
37.5°	3723.5
40°	2886.5
42.5°	1987.9
45°	1464.8
47.5°	1501.7
50°	1264.8
52.5°	877.0
55°	687.3
57.5°	635.0
60°	609.3
62.5°	590.8
65°	567.3
67.5°	536.5
70°	501.6
72.5°	461.6
75°	417.5
77.5°	372.4
80°	325.2
82.5°	277.0
85°	225.7
87.5°	173.4
90°	127.2
92.5°	129.2
95°	131.3
97.5°	132.3
100°	134.4
102.5°	135.4
105°	135.4
107.5°	135.4
110°	136.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	135.4
115°	135.4
117.5°	134.4
120°	133.4
122.5°	131.3
125°	130.3
127.5°	128.2
130°	126.2
132.5°	124.1
135°	122.1
137.5°	120.0
140°	118.0
142.5°	114.9
145°	111.8
147.5°	109.8
150°	106.7
152.5°	103.6
155°	100.5
157.5°	96.4
160°	92.3
162.5°	88.2
165°	83.1
167.5°	78.0
170°	72.8
172.5°	67.7
175°	68.7
177.5°	68.7
180°	68.7

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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	11.88	13.03	12.34	13.46	13.91	11.88	13.03	12.34	13.46	13.91
	3H	14.17	15.20	14.64	15.64	16.15	14.17	15.20	14.64	15.64	16.15
	4H	15.09	16.05	15.59	16.52	17.04	15.09	16.05	15.59	16.52	17.04
	6H	15.84	16.73	16.35	17.21	17.74	15.84	16.73	16.35	17.21	17.74
	8H	16.12	16.97	16.65	17.46	18.00	16.12	16.97	16.65	17.46	18.00
	12H	16.35	17.15	16.87	17.64	18.20	16.35	17.15	16.87	17.64	18.20
4H	2H	12.52	13.49	13.03	13.95	14.47	12.52	13.49	13.03	13.95	14.47
	3H	14.99	15.79	15.50	16.30	16.84	14.99	15.79	15.50	16.30	16.84
	4H	16.03	16.76	16.56	17.28	17.85	16.03	16.76	16.56	17.28	17.85
	6H	16.91	17.54	17.47	18.09	18.68	16.91	17.54	17.47	18.09	18.68
	8H	17.25	17.84	17.81	18.39	18.99	17.25	17.84	17.81	18.39	18.99
	12H	17.53	18.06	18.11	18.63	19.24	17.53	18.06	18.11	18.63	19.24
8H	4H	16.34	16.93	16.90	17.48	18.08	16.34	16.93	16.90	17.48	18.08
	6H	17.37	17.85	17.96	18.45	19.05	17.37	17.85	17.96	18.45	19.05
	8H	17.81	18.24	18.42	18.85	19.47	17.81	18.24	18.42	18.85	19.47
	12H	18.20	18.58	18.81	19.17	19.86	18.20	18.58	18.81	19.17	19.86
12H	4H	16.37	16.89	16.95	17.47	18.07	16.37	16.89	16.95	17.47	18.07
	6H	17.44	17.87	18.05	18.48	19.10	17.44	17.87	18.05	18.48	19.10
	8H	17.94	18.32	18.54	18.91	19.60	17.94	18.32	18.54	18.91	19.60

END OF REPORT