

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: P1221270

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3500K_L16_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221270
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 (3500K_L16_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

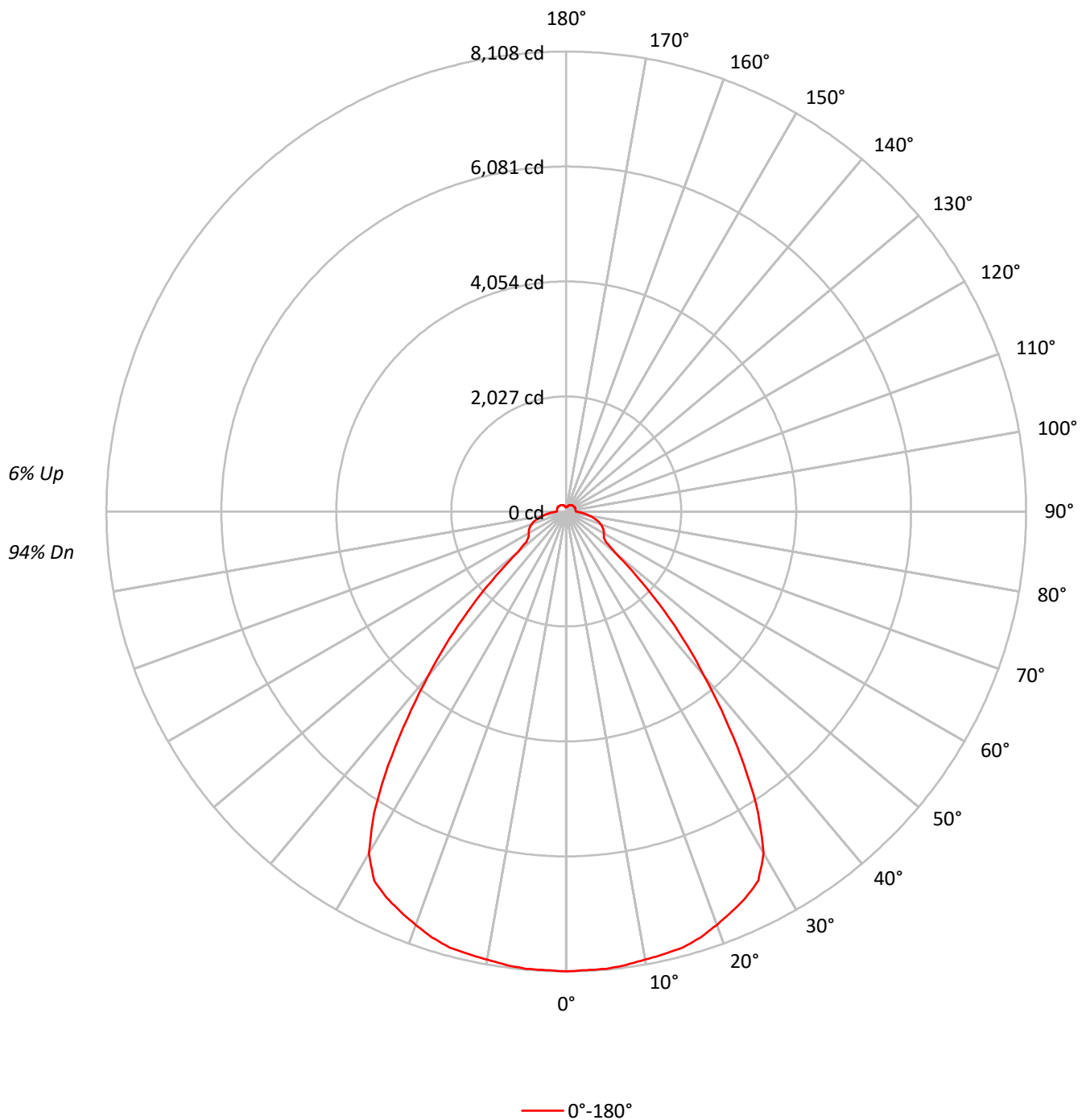
Lumens per Lamp: N/A
Luminaire Lumens: 14941.1 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 99.9
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	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	96	96	96	96	96			
1	109	105	102	98	106	102	99	96	97	94	92	92	90	88	88	86	84	84	86	88	90	94			
2	101	95	89	84	98	92	87	83	88	84	80	84	80	77	80	77	75	75	77	80	84	88			
3	94	86	79	74	91	84	78	73	80	75	71	76	72	69	73	70	67	67	70	73	77	82			
4	88	78	71	65	85	76	70	64	73	67	63	70	65	61	67	63	60	60	63	67	71	76			
5	82	71	64	58	80	70	63	58	67	61	57	65	59	55	62	58	54	54	58	62	66	71			
6	77	66	58	53	75	64	57	52	62	56	51	60	54	50	58	53	49	49	53	57	61	66			
7	72	60	53	48	70	59	52	47	57	51	47	55	50	46	54	49	45	45	49	53	57	62			
8	68	56	49	44	66	55	48	43	53	47	43	52	46	42	50	45	41	41	45	49	53	58			
9	64	52	45	40	62	51	44	40	50	43	39	48	43	39	47	42	38	38	42	46	50	54			
10	60	48	41	37	59	48	41	37	46	40	36	45	40	36	44	39	35	35	39	43	47	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44325
5°	42422
10°	40675
15°	39368
20°	37765
25°	36226
30°	33546
35°	26576
40°	18621
45°	11782
50°	5771
55°	4394
60°	4331
65°	4321
70°	4163
75°	3780
80°	3156
85°	2402

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11782 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	770.0	5.2
10°-20°	2243.6	15.0
20°-30°	3442.6	23.0
30°-40°	3376.9	22.6
40°-50°	1812.6	12.1
50°-60°	765.0	5.1
60°-70°	706.7	4.7
70°-80°	562.0	3.8
80°-90°	302.3	2.0
90°-100°	180.2	1.2
100°-110°	177.9	1.2
110°-120°	165.5	1.1
120°-130°	143.5	1.0
130°-140°	116.1	0.8
140°-150°	85.5	0.6
150°-160°	55.3	0.4
160°-170°	27.7	0.2
170°-180°	7.5	0.1
0°-30°	6456.3	43.2
0°-40°	9833.2	65.8
0°-60°	12410.8	83.1
0°-90°	13981.8	93.6
90°-120°	523.6	3.5
90°-150°	868.7	5.8
90°-180°	959.0	6.4
0°-180°	14941.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8108	
5°	8093	770
15°	7955	2244
25°	7507	3443
35°	5477	3377
45°	2341	1813
55°	814	765
65°	718	707
75°	537	562
85°	273	250
90°	172	98
95°	164	134
105°	168	178
115°	167	166
125°	160	144
135°	150	116
145°	136	86
155°	119	55
165°	97	28
175°	78	8
180°	77	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8108
2.5°	8093
5°	8093
7.5°	8065
10°	8020
12.5°	7993
15°	7955
17.5°	7874
20°	7758
22.5°	7635
25°	7507
27.5°	7334
30°	6959
32.5°	6300
35°	5477
37.5°	4608
40°	3783
42.5°	3046
45°	2341
47.5°	1675
50°	1112
52.5°	885
55°	814
57.5°	785
60°	764
62.5°	744
65°	718
67.5°	685
70°	644
72.5°	595
75°	537
77.5°	472
80°	405
82.5°	338
85°	273
87.5°	210
90°	172
92.5°	162
95°	164
97.5°	165
100°	167
102.5°	168
105°	168
107.5°	169
110°	168

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	168
115°	167
117.5°	166
120°	164
122.5°	162
125°	160
127.5°	158
130°	155
132.5°	153
135°	150
137.5°	147
140°	143
142.5°	140
145°	136
147.5°	132
150°	128
152.5°	124
155°	119
157.5°	114
160°	109
162.5°	103
165°	97
167.5°	90
170°	83
172.5°	77
175°	78
177.5°	78
180°	77

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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	13.06	14.26	13.53	14.70	15.18	13.06	14.26	13.53	14.70	15.18
	3H	15.48	16.55	15.97	17.01	17.54	15.48	16.55	15.97	17.01	17.54
	4H	16.44	17.45	16.95	17.93	18.47	16.44	17.45	16.95	17.93	18.47
	6H	17.19	18.12	17.71	18.61	19.16	17.19	18.12	17.71	18.61	19.16
	8H	17.45	18.34	17.99	18.85	19.41	17.45	18.34	17.99	18.85	19.41
	12H	17.66	18.50	18.20	19.01	19.59	17.66	18.50	18.20	19.01	19.59
4H	2H	13.75	14.76	14.26	15.24	15.78	13.75	14.76	14.26	15.24	15.78
	3H	16.34	17.18	16.86	17.70	18.26	16.34	17.18	16.86	17.70	18.26
	4H	17.42	18.18	17.96	18.71	19.31	17.42	18.18	17.96	18.71	19.31
	6H	18.29	18.95	18.85	19.51	20.12	18.29	18.95	18.85	19.51	20.12
	8H	18.61	19.22	19.18	19.79	20.40	18.61	19.22	19.18	19.79	20.40
	12H	18.87	19.42	19.46	20.01	20.63	18.87	19.42	19.46	20.01	20.63
8H	4H	17.74	18.36	18.31	18.92	19.54	17.74	18.36	18.31	18.92	19.54
	6H	18.74	19.26	19.35	19.86	20.49	18.74	19.26	19.35	19.86	20.49
	8H	19.16	19.62	19.78	20.24	20.87	19.16	19.62	19.78	20.24	20.87
	12H	19.52	19.93	20.14	20.53	21.24	19.52	19.93	20.14	20.53	21.24
12H	4H	17.77	18.32	18.36	18.91	19.54	17.77	18.32	18.36	18.91	19.54
	6H	18.81	19.27	19.43	19.89	20.53	18.81	19.27	19.43	19.89	20.53
	8H	19.28	19.69	19.90	20.29	21.00	19.28	19.69	19.90	20.29	21.00

END OF REPORT