

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: P1221269

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3500K_L16_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221269
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

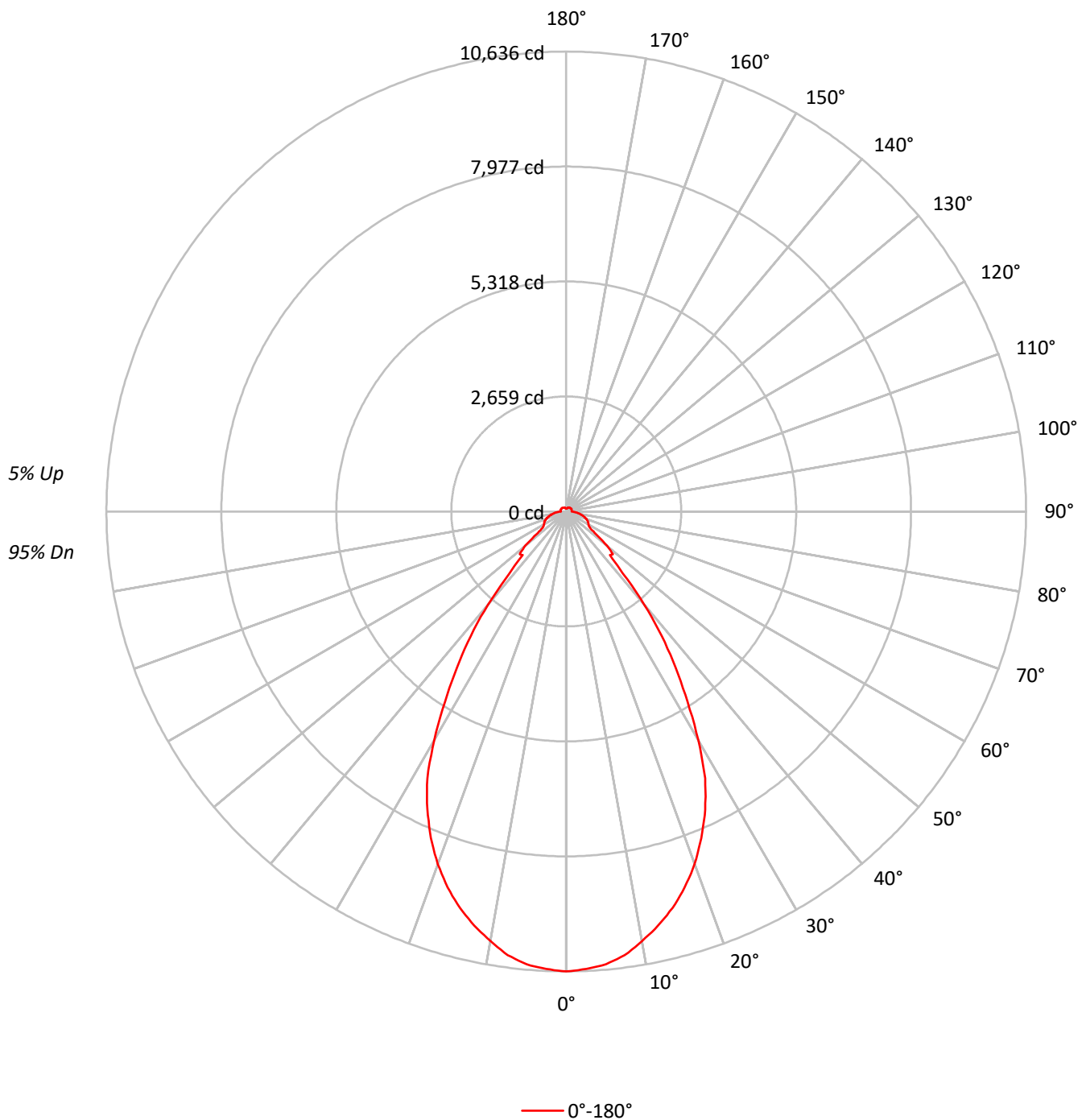
Lumens per Lamp: N/A
Luminaire Lumens: 13809.6 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 99.9
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
RCR																				
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	97	97	95
1	110	106	103	100	107	103	100	98	98	96	94	94	92	90	89	88	86	86	86	84
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	82	80	77	77	77	75
3	96	88	82	77	93	86	80	76	82	78	74	79	75	72	76	73	70	70	70	68
4	90	81	74	69	88	79	73	68	76	71	66	73	69	65	71	67	64	64	64	62
5	85	74	67	62	82	73	66	61	70	65	60	68	63	59	66	62	58	58	58	56
6	79	69	62	57	77	68	61	56	66	60	55	63	58	54	62	57	54	54	54	52
7	75	64	57	52	73	63	56	52	61	55	51	59	54	50	58	53	50	50	50	48
8	71	60	53	48	69	59	52	48	57	51	47	56	50	46	54	49	46	46	46	44
9	67	56	49	44	65	55	49	44	54	48	44	52	47	43	51	46	43	43	43	41
10	63	52	46	41	62	52	45	41	50	45	41	49	44	40	48	43	40	40	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58145
5°	55123
10°	51184
15°	46989
20°	42253
25°	36694
30°	29434
35°	21370
40°	13851
45°	7187
50°	6399
55°	3617
60°	3368
65°	3328
70°	3161
75°	2865
80°	2470
85°	1936

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 47.5°
Luminance: 7474 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	990.4	7.2
10°-20°	2659.5	19.3
20°-30°	3452.7	25.0
30°-40°	2742.2	19.9
40°-50°	1312.8	9.5
50°-60°	680.8	4.9
60°-70°	543.7	3.9
70°-80°	428.6	3.1
80°-90°	239.6	1.7
90°-100°	139.2	1.0
100°-110°	139.6	1.0
110°-120°	130.7	0.9
120°-130°	113.7	0.8
130°-140°	92.2	0.7
140°-150°	68.8	0.5
150°-160°	45.3	0.3
160°-170°	23.2	0.2
170°-180°	6.4	0.0
0°-30°	7102.6	51.4
0°-40°	9844.8	71.3
0°-60°	11838.4	85.7
0°-90°	13050.3	94.5
90°-120°	409.5	3.0
90°-150°	684.3	5.0
90°-180°	759.0	5.5
0°-180°	13809.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10636	
5°	10516	990
15°	9495	2660
25°	7604	3453
35°	4404	2742
45°	1428	1313
55°	670	681
65°	553	544
75°	407	429
85°	220	199
90°	124	74
95°	128	105
105°	132	140
115°	132	131
125°	127	114
135°	119	92
145°	109	69
155°	98	45
165°	81	23
175°	67	6
180°	67	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10636
2.5°	10593
5°	10516
7.5°	10352
10°	10092
12.5°	9814
15°	9495
17.5°	9119
20°	8680
22.5°	8175
25°	7604
27.5°	6960
30°	6106
32.5°	5220
35°	4404
37.5°	3630
40°	2814
42.5°	1938
45°	1428
47.5°	1464
50°	1233
52.5°	855
55°	670
57.5°	619
60°	594
62.5°	576
65°	553
67.5°	523
70°	489
72.5°	450
75°	407
77.5°	363
80°	317
82.5°	270
85°	220
87.5°	169
90°	124
92.5°	126
95°	128
97.5°	129
100°	131
102.5°	132
105°	132
107.5°	132
110°	133

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	132
115°	132
117.5°	131
120°	130
122.5°	128
125°	127
127.5°	125
130°	123
132.5°	121
135°	119
137.5°	117
140°	115
142.5°	112
145°	109
147.5°	107
150°	104
152.5°	101
155°	98
157.5°	94
160°	90
162.5°	86
165°	81
167.5°	76
170°	71
172.5°	66
175°	67
177.5°	67
180°	67

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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	11.79	12.94	12.25	13.37	13.83	11.79	12.94	12.25	13.37	13.83
	3H	14.08	15.11	14.56	15.56	16.06	14.08	15.11	14.56	15.56	16.06
	4H	15.00	15.97	15.50	16.43	16.95	15.00	15.97	15.50	16.43	16.95
	6H	15.75	16.64	16.26	17.12	17.65	15.75	16.64	16.26	17.12	17.65
	8H	16.03	16.88	16.56	17.38	17.91	16.03	16.88	16.56	17.38	17.91
	12H	16.26	17.06	16.78	17.55	18.12	16.26	17.06	16.78	17.55	18.12
4H	2H	12.44	13.40	12.94	13.86	14.38	12.44	13.40	12.94	13.86	14.38
	3H	14.90	15.70	15.41	16.22	16.75	14.90	15.70	15.41	16.22	16.75
	4H	15.94	16.67	16.47	17.19	17.76	15.94	16.67	16.47	17.19	17.76
	6H	16.82	17.45	17.38	18.00	18.59	16.82	17.45	17.38	18.00	18.59
	8H	17.16	17.75	17.72	18.30	18.90	17.16	17.75	17.72	18.30	18.90
	12H	17.45	17.97	18.02	18.55	19.15	17.45	17.97	18.02	18.55	19.15
8H	4H	16.26	16.84	16.82	17.39	17.99	16.26	16.84	16.82	17.39	17.99
	6H	17.28	17.76	17.87	18.36	18.96	17.28	17.76	17.87	18.36	18.96
	8H	17.72	18.15	18.33	18.76	19.38	17.72	18.15	18.33	18.76	19.38
	12H	18.11	18.49	18.72	19.08	19.77	18.11	18.49	18.72	19.08	19.77
12H	4H	16.28	16.81	16.86	17.38	17.99	16.28	16.81	16.86	17.38	17.99
	6H	17.35	17.78	17.96	18.39	19.01	17.35	17.78	17.96	18.39	19.01
	8H	17.85	18.23	18.46	18.82	19.51	17.85	18.23	18.46	18.82	19.51