

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: P1221268

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3500K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221268
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-20)
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_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

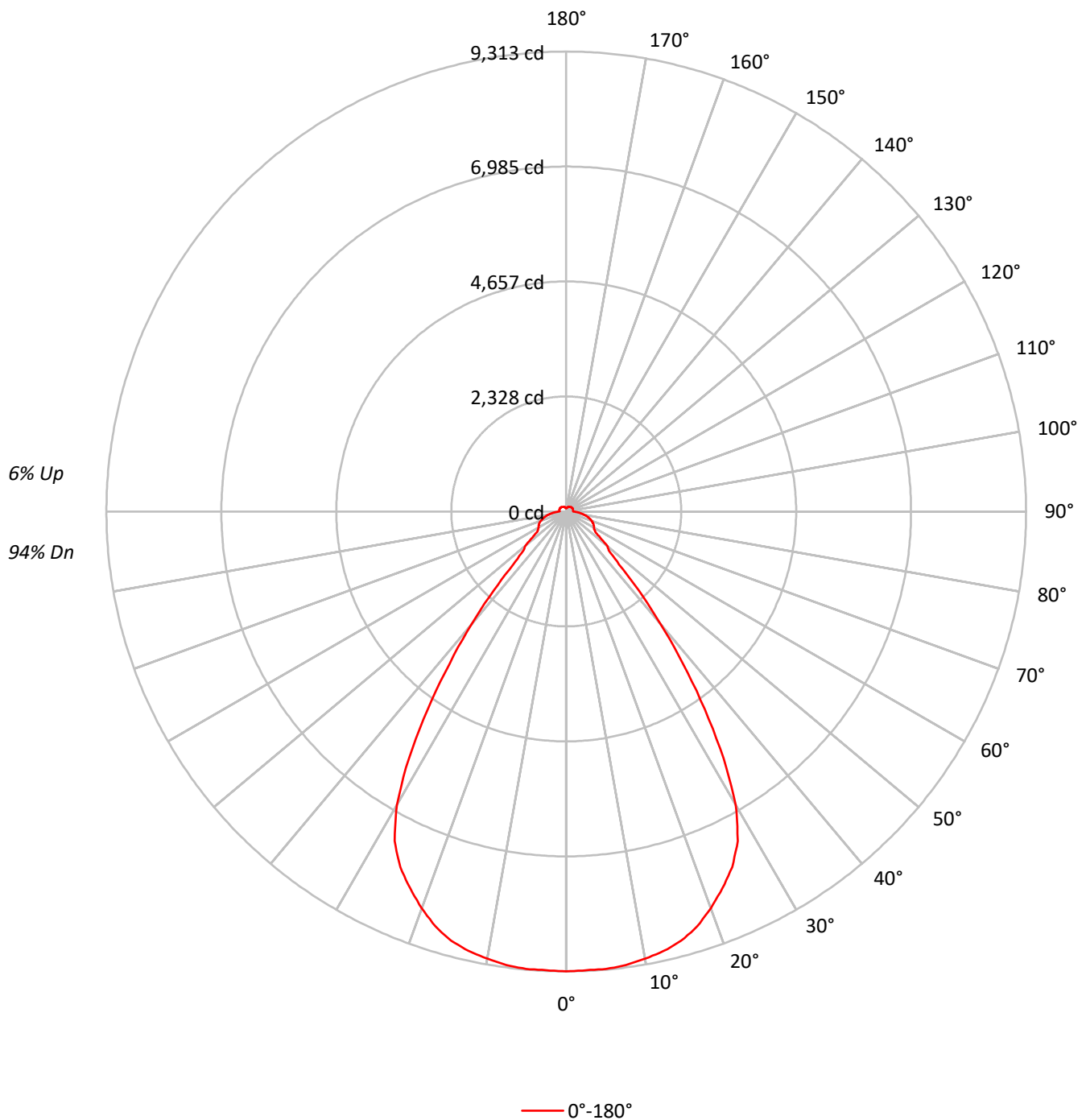
Lumens per Lamp: N/A
Luminaire Lumens: 14237.8 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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				0
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	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86
2	102	96	90	86	99	93	89	84	89	85	82	85	82	79	82	79	77
3	96	87	81	76	93	85	79	75	82	77	73	78	74	71	75	72	69
4	89	80	73	68	87	78	72	67	75	70	65	72	68	64	70	66	63
5	84	73	66	61	82	72	65	60	69	64	59	67	62	58	65	61	57
6	79	68	61	55	77	67	60	55	64	58	54	62	57	53	60	56	52
7	74	63	56	51	72	62	55	50	60	54	50	58	53	49	56	52	48
8	70	58	51	47	68	58	51	46	56	50	46	54	49	45	53	48	45
9	66	55	48	43	64	54	47	43	52	46	42	51	46	42	50	45	41
10	62	51	44	40	61	50	44	40	49	43	39	48	43	39	47	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50913
5°	48744
10°	46640
15°	44544
20°	41630
25°	38349
30°	33093
35°	23728
40°	14649
45°	7620
50°	5636
55°	3881
60°	3679
65°	3653
70°	3510
75°	3245
80°	2805
85°	2156

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7620 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	884.3	6.2
10°-20°	2528.1	17.8
20°-30°	3616.9	25.4
30°-40°	3033.2	21.3
40°-50°	1311.7	9.2
50°-60°	695.4	4.9
60°-70°	597.6	4.2
70°-80°	483.2	3.4
80°-90°	269.5	1.9
90°-100°	153.3	1.1
100°-110°	151.1	1.1
110°-120°	140.8	1.0
120°-130°	122.1	0.9
130°-140°	98.7	0.7
140°-150°	73.0	0.5
150°-160°	47.8	0.3
160°-170°	24.3	0.2
170°-180°	6.7	0.0
0°-30°	7029.4	49.4
0°-40°	10062.6	70.7
0°-60°	12069.7	84.8
0°-90°	13420.0	94.3
90°-120°	445.3	3.1
90°-150°	739.0	5.2
90°-180°	818.0	5.7
0°-180°	14237.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9313	
5°	9299	884
15°	9001	2528
25°	7947	3617
35°	4890	3033
45°	1514	1312
55°	719	695
65°	607	598
75°	461	483
85°	245	224
90°	148	85
95°	139	114
105°	143	151
115°	142	141
125°	136	122
135°	127	99
145°	116	73
155°	103	48
165°	85	24
175°	69	7
180°	69	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9313
2.5°	9298
5°	9299
7.5°	9266
10°	9196
12.5°	9117
15°	9001
17.5°	8811
20°	8552
22.5°	8262
25°	7947
27.5°	7526
30°	6865
32.5°	5932
35°	4890
37.5°	3881
40°	2976
42.5°	2168
45°	1514
47.5°	1168
50°	1086
52.5°	858
55°	719
57.5°	672
60°	649
62.5°	630
65°	607
67.5°	578
70°	543
72.5°	504
75°	461
77.5°	413
80°	360
82.5°	305
85°	245
87.5°	185
90°	148
92.5°	137
95°	139
97.5°	141
100°	142
102.5°	143
105°	143
107.5°	143
110°	143

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	143
115°	142
117.5°	141
120°	140
122.5°	138
125°	136
127.5°	134
130°	132
132.5°	130
135°	127
137.5°	125
140°	122
142.5°	119
145°	116
147.5°	113
150°	110
152.5°	107
155°	103
157.5°	99
160°	94
162.5°	90
165°	85
167.5°	79
170°	74
172.5°	69
175°	69
177.5°	69
180°	69

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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	12.23	13.39	12.70	13.83	14.29	12.23	13.39	12.70	13.83	14.29
	3H	14.59	15.63	15.08	16.08	16.59	14.59	15.63	15.08	16.08	16.59
	4H	15.57	16.54	16.07	17.01	17.53	15.57	16.54	16.07	17.01	17.53
	6H	16.36	17.26	16.88	17.74	18.27	16.36	17.26	16.88	17.74	18.27
	8H	16.66	17.51	17.19	18.01	18.55	16.66	17.51	17.19	18.01	18.55
	12H	16.88	17.69	17.41	18.19	18.76	16.88	17.69	17.41	18.19	18.76
4H	2H	12.90	13.87	13.40	14.34	14.86	12.90	13.87	13.40	14.34	14.86
	3H	15.44	16.24	15.95	16.76	17.30	15.44	16.24	15.95	16.76	17.30
	4H	16.53	17.26	17.06	17.79	18.37	16.53	17.26	17.06	17.79	18.37
	6H	17.45	18.09	18.01	18.64	19.24	17.45	18.09	18.01	18.64	19.24
	8H	17.81	18.40	18.37	18.95	19.56	17.81	18.40	18.37	18.95	19.56
	12H	18.09	18.62	18.67	19.20	19.81	18.09	18.62	18.67	19.20	19.81
8H	4H	16.86	17.46	17.43	18.01	18.61	16.86	17.46	17.43	18.01	18.61
	6H	17.93	18.42	18.53	19.02	19.63	17.93	18.42	18.53	19.02	19.63
	8H	18.38	18.82	18.99	19.43	20.05	18.38	18.82	18.99	19.43	20.05
	12H	18.77	19.16	19.38	19.75	20.45	18.77	19.16	19.38	19.75	20.45
12H	4H	16.89	17.42	17.48	18.01	18.61	16.89	17.42	17.48	18.01	18.61
	6H	18.00	18.44	18.62	19.05	19.68	18.00	18.44	18.62	19.05	19.68
	8H	18.52	18.90	19.13	19.50	20.19	18.52	18.90	19.13	19.50	20.19