

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: P1221295

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (6500K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221295
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 (6500K_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: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

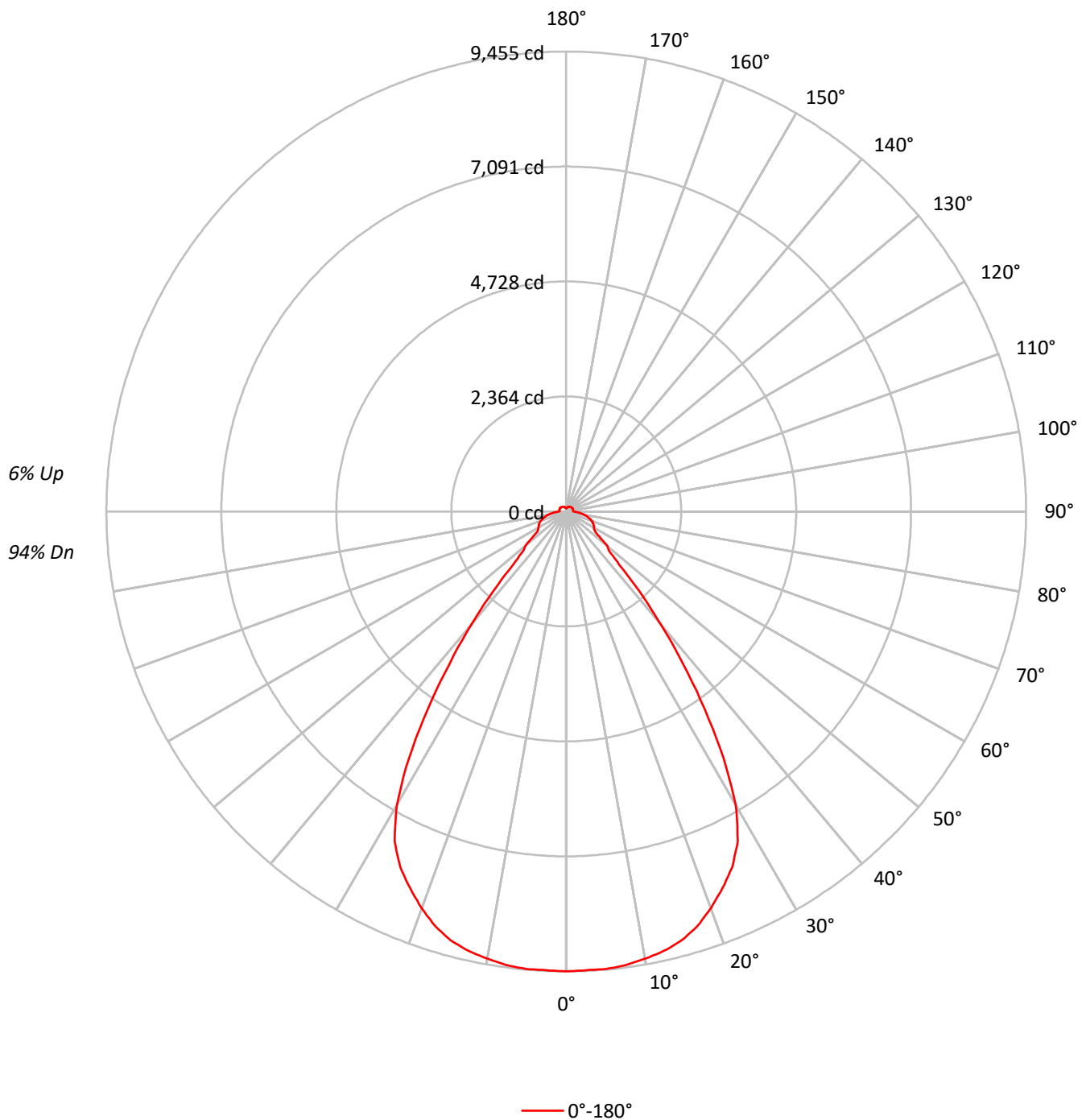
Lumens per Lamp: N/A
Luminaire Lumens: 14454.9 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.9
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
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°	51689
5°	49487
10°	47351
15°	45223
20°	42265
25°	38934
30°	33598
35°	24089
40°	14872
45°	7736
50°	5722
55°	3941
60°	3736
65°	3709
70°	3563
75°	3294
80°	2848
85°	2189

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7736 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	897.8	6.2
10°-20°	2566.7	17.8
20°-30°	3672.0	25.4
30°-40°	3079.5	21.3
40°-50°	1331.7	9.2
50°-60°	706.1	4.9
60°-70°	606.8	4.2
70°-80°	490.5	3.4
80°-90°	273.6	1.9
90°-100°	155.6	1.1
100°-110°	153.5	1.1
110°-120°	143.0	1.0
120°-130°	123.9	0.9
130°-140°	100.2	0.7
140°-150°	74.1	0.5
150°-160°	48.5	0.3
160°-170°	24.6	0.2
170°-180°	6.8	0.0
0°-30°	7136.5	49.4
0°-40°	10216.0	70.7
0°-60°	12253.8	84.8
0°-90°	13624.6	94.3
90°-120°	452.1	3.1
90°-150°	750.3	5.2
90°-180°	830.0	5.7
0°-180°	14454.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9455	
5°	9441	898
15°	9138	2567
25°	8068	3672
35°	4964	3079
45°	1537	1332
55°	730	706
65°	616	607
75°	468	491
85°	249	227
90°	150	86
95°	141	116
105°	145	153
115°	144	143
125°	138	124
135°	129	100
145°	118	74
155°	105	49
165°	86	25
175°	70	7
180°	70	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9455.0
2.5°	9439.7
5°	9440.8
7.5°	9407.3
10°	9336.2
12.5°	9256.0
15°	9138.2
17.5°	8945.3
20°	8682.4
22.5°	8388.0
25°	8068.2
27.5°	7640.7
30°	6969.7
32.5°	6022.4
35°	4964.5
37.5°	3940.2
40°	3021.4
42.5°	2201.1
45°	1537.1
47.5°	1185.8
50°	1102.6
52.5°	871.1
55°	730.0
57.5°	682.2
60°	658.9
62.5°	639.6
65°	616.3
67.5°	586.8
70°	551.3
72.5°	511.7
75°	468.0
77.5°	419.3
80°	365.5
82.5°	309.6
85°	248.7
87.5°	187.8
90°	150.3
92.5°	139.1
95°	141.1
97.5°	143.1
100°	144.2
102.5°	145.2
105°	145.2
107.5°	145.2
110°	145.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	145.2
115°	144.2
117.5°	143.1
120°	142.1
122.5°	140.1
125°	138.1
127.5°	136.0
130°	134.0
132.5°	132.0
135°	128.9
137.5°	126.9
140°	123.9
142.5°	120.8
145°	117.8
147.5°	114.7
150°	111.7
152.5°	108.6
155°	104.6
157.5°	100.5
160°	95.4
162.5°	91.4
165°	86.3
167.5°	80.2
170°	75.1
172.5°	70.1
175°	70.1
177.5°	70.1
180°	70.1

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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	12.29	13.44	12.75	13.88	14.34	12.29	13.44	12.75	13.88	14.34
	3H	14.65	15.68	15.13	16.13	16.64	14.65	15.68	15.13	16.13	16.64
	4H	15.62	16.59	16.12	17.06	17.58	15.62	16.59	16.12	17.06	17.58
	6H	16.41	17.31	16.93	17.79	18.33	16.41	17.31	16.93	17.79	18.33
	8H	16.71	17.56	17.24	18.06	18.60	16.71	17.56	17.24	18.06	18.60
	12H	16.93	17.75	17.47	18.24	18.81	16.93	17.75	17.47	18.24	18.81
4H	2H	12.95	13.92	13.46	14.39	14.91	12.95	13.92	13.46	14.39	14.91
	3H	15.49	16.30	16.00	16.81	17.35	15.49	16.30	16.00	16.81	17.35
	4H	16.58	17.31	17.12	17.84	18.42	16.58	17.31	17.12	17.84	18.42
	6H	17.51	18.14	18.07	18.69	19.29	17.51	18.14	18.07	18.69	19.29
	8H	17.86	18.45	18.42	19.00	19.61	17.86	18.45	18.42	19.00	19.61
	12H	18.14	18.67	18.72	19.25	19.86	18.14	18.67	18.72	19.25	19.86
8H	4H	16.91	17.51	17.48	18.06	18.66	16.91	17.51	17.48	18.06	18.66
	6H	17.98	18.47	18.58	19.07	19.68	17.98	18.47	18.58	19.07	19.68
	8H	18.43	18.87	19.05	19.48	20.11	18.43	18.87	19.05	19.48	20.11
	12H	18.83	19.21	19.43	19.80	20.50	18.83	19.21	19.43	19.80	20.50
12H	4H	16.95	17.47	17.53	18.06	18.66	16.95	17.47	17.53	18.06	18.66
	6H	18.06	18.50	18.67	19.11	19.73	18.06	18.50	18.67	19.11	19.73
	8H	18.57	18.96	19.18	19.55	20.24	18.57	18.96	19.18	19.55	20.24