

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: P1221259

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3000K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221259
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

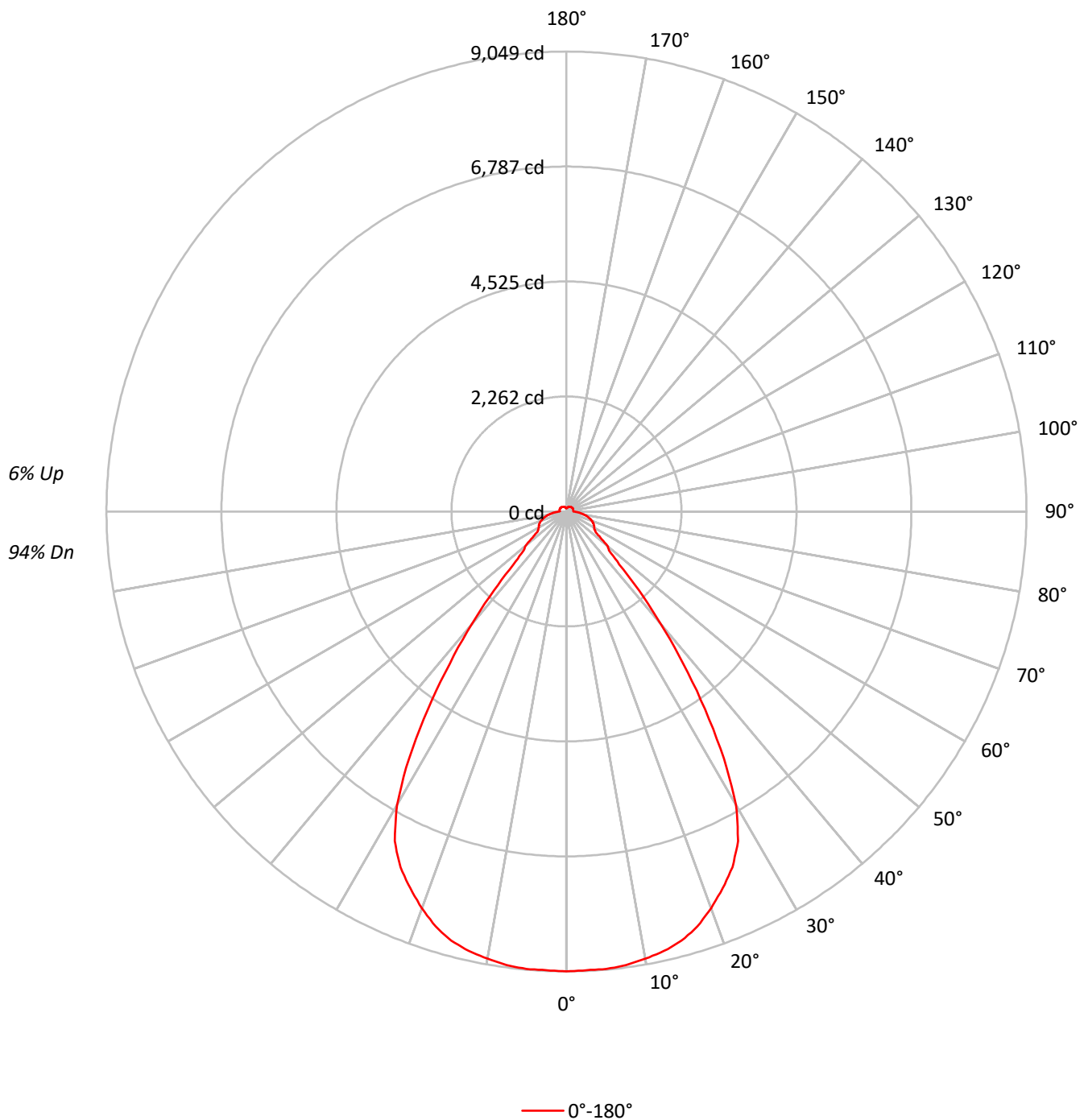
Lumens per Lamp: N/A
Luminaire Lumens: 13834.6 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.5
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°	49470
5°	47363
10°	45319
15°	43283
20°	40451
25°	37263
30°	32156
35°	23056
40°	14234
45°	7404
50°	5476
55°	3771
60°	3575
65°	3549
70°	3410
75°	3153
80°	2726
85°	2095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7404 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	859.3	6.2
10°-20°	2456.5	17.8
20°-30°	3514.4	25.4
30°-40°	2947.3	21.3
40°-50°	1274.5	9.2
50°-60°	675.7	4.9
60°-70°	580.7	4.2
70°-80°	469.5	3.4
80°-90°	261.9	1.9
90°-100°	149.0	1.1
100°-110°	146.9	1.1
110°-120°	136.9	1.0
120°-130°	118.6	0.9
130°-140°	95.9	0.7
140°-150°	70.9	0.5
150°-160°	46.4	0.3
160°-170°	23.6	0.2
170°-180°	6.5	0.0
0°-30°	6830.3	49.4
0°-40°	9777.6	70.7
0°-60°	11727.9	84.8
0°-90°	13039.9	94.3
90°-120°	432.8	3.1
90°-150°	718.2	5.2
90°-180°	795.0	5.7
0°-180°	13834.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9049	
5°	9036	859
15°	8746	2457
25°	7722	3514
35°	4752	2947
45°	1471	1275
55°	699	676
65°	590	581
75°	448	469
85°	238	218
90°	144	82
95°	135	111
105°	139	147
115°	138	137
125°	132	119
135°	123	96
145°	113	71
155°	100	46
165°	83	24
175°	67	6
180°	67	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9049.2
2.5°	9034.7
5°	9035.6
7.5°	9003.6
10°	8935.6
12.5°	8858.8
15°	8746.1
17.5°	8561.5
20°	8309.8
22.5°	8028.0
25°	7721.9
27.5°	7312.9
30°	6670.6
32.5°	5764.0
35°	4751.5
37.5°	3771.1
40°	2891.7
42.5°	2106.6
45°	1471.1
47.5°	1134.9
50°	1055.2
52.5°	833.7
55°	698.6
57.5°	653.0
60°	630.6
62.5°	612.2
65°	589.8
67.5°	561.6
70°	527.6
72.5°	489.7
75°	447.9
77.5°	401.3
80°	349.8
82.5°	296.4
85°	238.1
87.5°	179.8
90°	143.8
92.5°	133.1
95°	135.1
97.5°	137.0
100°	138.0
102.5°	139.0
105°	139.0
107.5°	139.0
110°	139.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	139.0
115°	138.0
117.5°	137.0
120°	136.0
122.5°	134.1
125°	132.1
127.5°	130.2
130°	128.3
132.5°	126.3
135°	123.4
137.5°	121.5
140°	118.5
142.5°	115.6
145°	112.7
147.5°	109.8
150°	106.9
152.5°	104.0
155°	100.1
157.5°	96.2
160°	91.3
162.5°	87.5
165°	82.6
167.5°	76.8
170°	71.9
172.5°	67.0
175°	67.0
177.5°	67.0
180°	67.0

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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	12.13	13.29	12.60	13.73	14.19	12.13	13.29	12.60	13.73	14.19
	3H	14.50	15.53	14.98	15.98	16.49	14.50	15.53	14.98	15.98	16.49
	4H	15.47	16.44	15.97	16.91	17.43	15.47	16.44	15.97	16.91	17.43
	6H	16.26	17.16	16.78	17.64	18.17	16.26	17.16	16.78	17.64	18.17
	8H	16.56	17.41	17.09	17.91	18.45	16.56	17.41	17.09	17.91	18.45
	12H	16.78	17.59	17.31	18.09	18.66	16.78	17.59	17.31	18.09	18.66
4H	2H	12.80	13.77	13.30	14.24	14.76	12.80	13.77	13.30	14.24	14.76
	3H	15.34	16.14	15.85	16.66	17.20	15.34	16.14	15.85	16.66	17.20
	4H	16.43	17.16	16.96	17.69	18.27	16.43	17.16	16.96	17.69	18.27
	6H	17.35	17.99	17.91	18.54	19.14	17.35	17.99	17.91	18.54	19.14
	8H	17.71	18.30	18.27	18.85	19.46	17.71	18.30	18.27	18.85	19.46
	12H	17.99	18.52	18.57	19.10	19.71	17.99	18.52	18.57	19.10	19.71
8H	4H	16.76	17.36	17.33	17.91	18.51	16.76	17.36	17.33	17.91	18.51
	6H	17.83	18.32	18.43	18.92	19.53	17.83	18.32	18.43	18.92	19.53
	8H	18.28	18.72	18.89	19.33	19.95	18.28	18.72	18.89	19.33	19.95
	12H	18.67	19.06	19.28	19.65	20.35	18.67	19.06	19.28	19.65	20.35
12H	4H	16.79	17.32	17.38	17.90	18.51	16.79	17.32	17.38	17.90	18.51
	6H	17.90	18.34	18.52	18.95	19.58	17.90	18.34	18.52	18.95	19.58
	8H	18.42	18.80	19.03	19.40	20.09	18.42	18.80	19.03	19.40	20.09