

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: P1221243

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (5000K_L16_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221243
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (5000K_L16_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

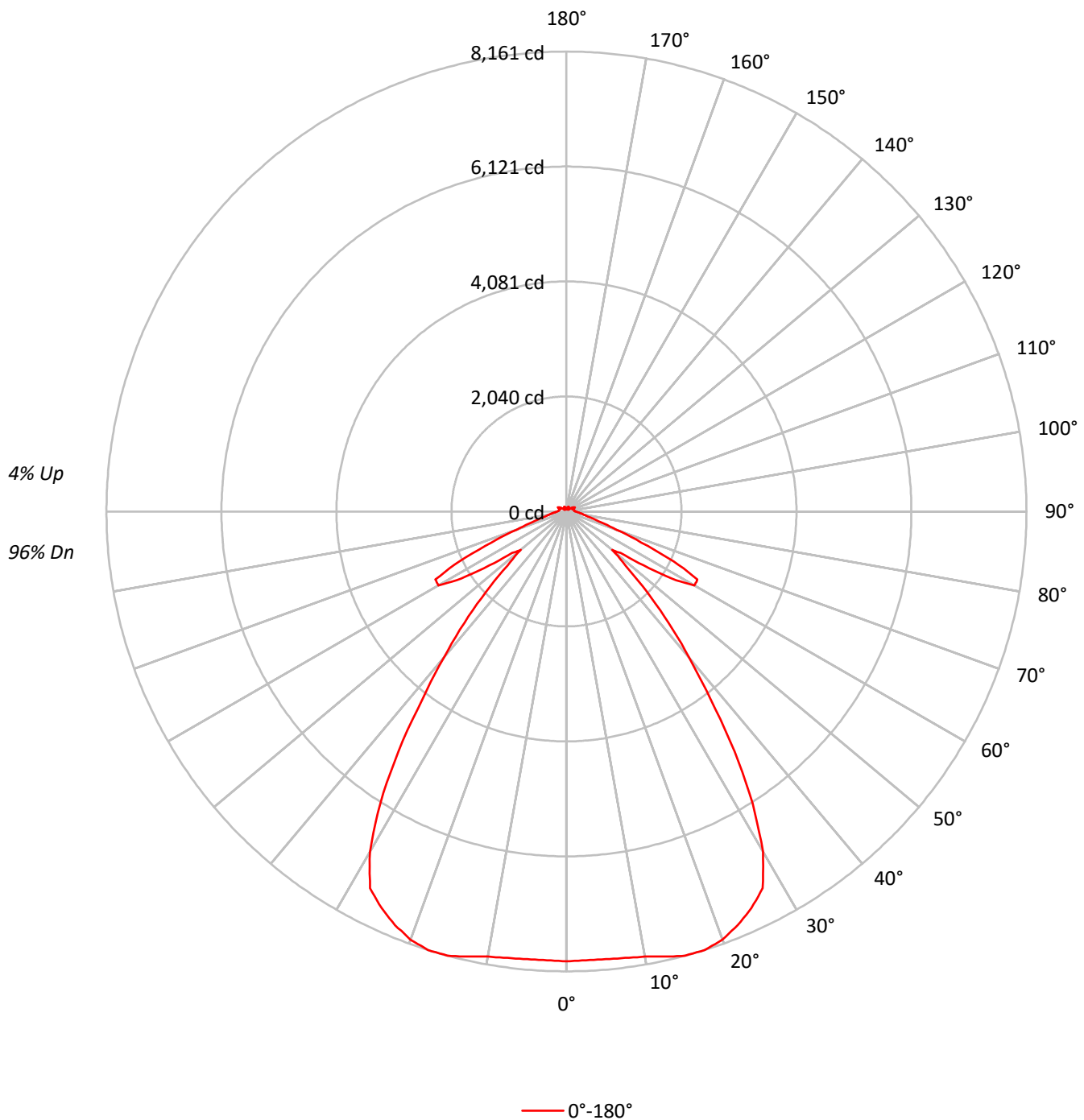
Lumens per Lamp: N/A
Luminaire Lumens: 16402.6 lumens
Efficiency: N/A
Efficacy: 165.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 99.2
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	115	115	115	115	109	109	109	103	103	103	98	98	98
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85
2	101	93	87	82	98	91	86	81	87	82	79	83	79	76	80	77	74
3	93	83	76	71	90	82	75	70	78	73	68	75	70	66	72	68	65
4	86	75	67	61	83	74	66	61	71	65	60	68	63	58	66	61	57
5	80	68	60	54	78	67	59	54	65	58	53	62	57	52	60	55	51
6	74	62	54	49	72	61	54	48	59	53	48	57	51	47	55	50	46
7	70	57	49	44	68	56	49	44	55	48	43	53	47	42	51	46	42
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38
9	61	49	42	37	60	48	41	36	47	41	36	46	40	36	44	39	35
10	58	46	39	34	57	45	38	34	44	38	33	43	37	33	42	36	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43639
5°	41811
10°	40673
15°	40377
20°	39352
25°	37476
30°	33619
35°	25245
40°	16677
45°	10155
50°	5493
55°	9009
60°	14864
65°	12636
70°	6060
75°	3271
80°	2334
85°	1904

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 62.5°
Luminance: 15286 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	762.7	4.7
10°-20°	2302.0	14.0
20°-30°	3548.2	21.6
30°-40°	3208.0	19.6
40°-50°	1590.1	9.7
50°-60°	1571.1	9.6
60°-70°	1956.9	11.9
70°-80°	548.9	3.3
80°-90°	241.4	1.5
90°-100°	154.2	0.9
100°-110°	136.5	0.8
110°-120°	149.3	0.9
120°-130°	93.3	0.6
130°-140°	36.9	0.2
140°-150°	39.4	0.2
150°-160°	39.7	0.2
160°-170°	19.9	0.1
170°-180°	4.3	0.0
0°-30°	6612.9	40.3
0°-40°	9820.9	59.9
0°-60°	12982.1	79.1
0°-90°	15729.3	95.9
90°-120°	440.0	2.7
90°-150°	609.5	3.7
90°-180°	673.0	4.1
0°-180°	16402.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7982	
5°	7976	763
15°	8159	2302
25°	7766	3548
35°	5203	3208
45°	2018	1590
55°	1669	1571
65°	2100	1957
75°	465	549
85°	216	194
90°	159	89
95°	138	112
105°	134	136
115°	167	149
125°	102	93
135°	44	37
145°	64	39
155°	87	40
165°	70	20
175°	41	4
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7982.5
2.5°	7970.2
5°	7976.4
7.5°	7990.7
10°	8019.5
12.5°	8092.3
15°	8159.0
17.5°	8161.0
20°	8084.1
22.5°	7943.6
25°	7766.1
27.5°	7539.4
30°	6974.2
32.5°	6146.4
35°	5202.7
37.5°	4186.2
40°	3388.1
42.5°	2681.4
45°	2017.7
47.5°	1421.7
50°	1058.6
52.5°	1209.4
55°	1668.9
57.5°	2219.8
60°	2621.9
62.5°	2620.8
65°	2099.8
67.5°	1435.1
70°	937.6
72.5°	642.1
75°	464.7
77.5°	359.0
80°	299.5
82.5°	254.4
85°	216.4
87.5°	185.7
90°	159.0
92.5°	145.7
95°	137.5
97.5°	134.4
100°	136.4
102.5°	137.5
105°	134.4
107.5°	119.0
110°	112.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	138.5
115°	167.2
117.5°	166.2
120°	148.7
122.5°	126.2
125°	101.6
127.5°	79.0
130°	62.6
132.5°	51.3
135°	44.1
137.5°	41.0
140°	43.1
142.5°	50.3
145°	63.6
147.5°	76.9
150°	84.1
152.5°	87.2
155°	87.2
157.5°	85.1
160°	82.1
162.5°	76.9
165°	69.8
167.5°	60.5
170°	52.3
172.5°	45.1
175°	41.0
177.5°	39.0
180°	38.0

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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	20.02	21.37	20.46	21.77	22.19	20.02	21.37	20.46	21.77	22.19
	3H	21.15	22.36	21.60	22.78	23.24	21.15	22.36	21.60	22.78	23.24
	4H	21.25	22.39	21.72	22.83	23.31	21.25	22.39	21.72	22.83	23.31
	6H	21.29	22.35	21.77	22.80	23.29	21.29	22.35	21.77	22.80	23.29
	8H	21.30	22.30	21.80	22.78	23.28	21.30	22.30	21.80	22.78	23.28
	12H	21.31	22.27	21.81	22.73	23.26	21.31	22.27	21.81	22.73	23.26
4H	2H	20.80	21.94	21.27	22.38	22.86	20.80	21.94	21.27	22.38	22.86
	3H	21.84	22.79	22.32	23.27	23.77	21.84	22.79	22.32	23.27	23.77
	4H	21.96	22.82	22.46	23.31	23.85	21.96	22.82	22.46	23.31	23.85
	6H	22.04	22.78	22.56	23.30	23.86	22.04	22.78	22.56	23.30	23.86
	8H	22.06	22.76	22.59	23.28	23.84	22.06	22.76	22.59	23.28	23.84
	12H	22.09	22.71	22.64	23.26	23.83	22.09	22.71	22.64	23.26	23.83
8H	4H	21.94	22.64	22.48	23.16	23.72	21.94	22.64	22.48	23.16	23.72
	6H	22.06	22.62	22.62	23.19	23.76	22.06	22.62	22.62	23.19	23.76
	8H	22.11	22.61	22.70	23.19	23.78	22.11	22.61	22.70	23.19	23.78
	12H	22.19	22.62	22.76	23.18	23.84	22.19	22.62	22.76	23.18	23.84
12H	4H	21.92	22.54	22.47	23.09	23.66	21.92	22.54	22.47	23.09	23.66
	6H	22.04	22.54	22.62	23.12	23.70	22.04	22.54	22.62	23.12	23.70
	8H	22.12	22.56	22.70	23.12	23.78	22.12	22.56	22.70	23.12	23.78