

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: P1221328

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (5000K_L12_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221328
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (5000K_L12_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

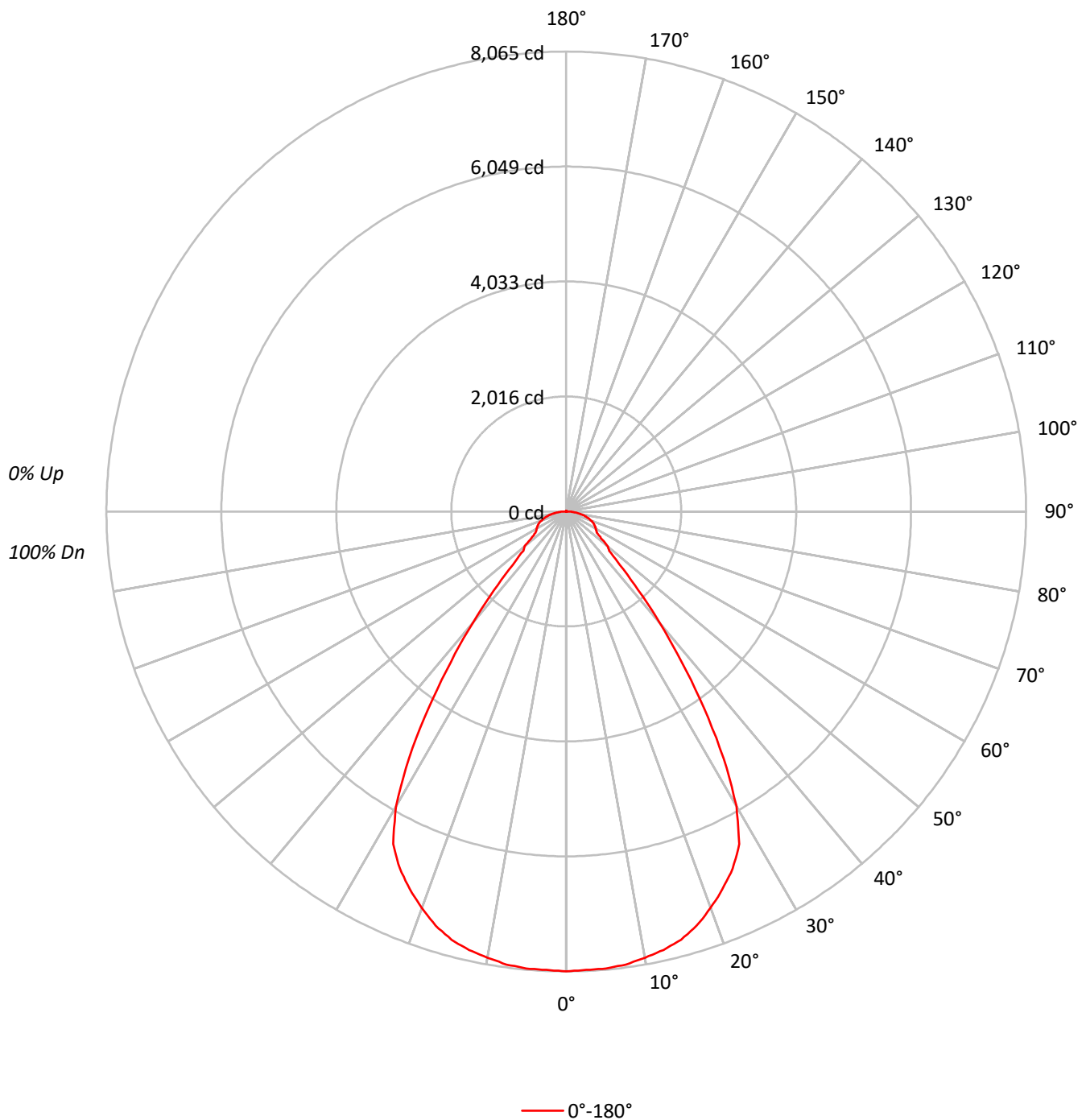
Lumens per Lamp: N/A
Luminaire Lumens: 11544.3 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 80.4
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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	111	108	104	102	109	105	103	100	101	99	97		97	96	94		89
2	104	98	93	88	102	96	91	87	93	89	85		89	86	83		80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		72
4	91	82	75	70	89	81	74	69	78	73	68		76	71	67		65
5	86	75	68	63	84	74	68	63	72	66	62		71	65	61		59
6	80	70	62	57	79	69	62	57	67	61	57		66	60	56		54
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		50
8	71	60	53	48	70	60	53	48	58	52	48		57	52	48		46
9	67	56	49	45	66	56	49	45	55	49	44		54	48	44		42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44089
5°	42167
10°	40297
15°	38479
20°	36030
25°	33336
30°	28771
35°	20416
40°	12559
45°	6659
50°	4939
55°	3571
60°	3387
65°	3257
70°	2985
75°	2566
80°	1928
85°	1045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6659 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	764.8	6.6
10°-20°	2184.8	18.9
20°-30°	3144.6	27.2
30°-40°	2615.4	22.7
40°-50°	1137.5	9.9
50°-60°	631.7	5.5
60°-70°	532.2	4.6
70°-80°	380.8	3.3
80°-90°	131.6	1.1
90°-100°	1.9	0.0
100°-110°	1.0	0.0
110°-120°	1.6	0.0
120°-130°	1.8	0.0
130°-140°	2.9	0.0
140°-150°	4.4	0.0
150°-160°	4.1	0.0
160°-170°	2.4	0.0
170°-180°	0.9	0.0
0°-30°	6094.1	52.8
0°-40°	8709.6	75.4
0°-60°	10478.7	90.8
0°-90°	11523.3	99.8
90°-120°	4.5	0.0
90°-150°	13.6	0.1
90°-180°	21.0	0.2
0°-180°	11544.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8065	
5°	8044	765
15°	7775	2185
25°	6908	3145
35°	4207	2615
45°	1323	1137
55°	662	632
65°	541	532
75°	364	381
85°	119	123
90°	8	9
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	3	3
145°	7	4
155°	8	4
165°	8	2
175°	9	1
180°	9	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8064.8
2.5°	8047.7
5°	8044.3
7.5°	8012.7
10°	7945.3
12.5°	7875.3
15°	7775.4
17.5°	7614.1
20°	7401.6
22.5°	7166.0
25°	6908.2
27.5°	6571.9
30°	5968.4
32.5°	5137.8
35°	4207.4
37.5°	3321.4
40°	2551.4
42.5°	1871.1
45°	1323.1
47.5°	1019.2
50°	951.8
52.5°	769.9
55°	661.5
57.5°	623.1
60°	597.5
62.5°	572.8
65°	541.2
67.5°	504.5
70°	461.8
72.5°	415.7
75°	364.5
77.5°	308.1
80°	247.5
82.5°	184.4
85°	118.7
87.5°	52.9
90°	7.7
92.5°	0.9
95°	0.9
97.5°	0.9
100°	0.9
102.5°	0.9
105°	0.9
107.5°	0.9
110°	0.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.7
115°	1.7
117.5°	1.7
120°	1.7
122.5°	1.7
125°	1.7
127.5°	2.6
130°	2.6
132.5°	3.4
135°	3.4
137.5°	4.3
140°	5.1
142.5°	6.0
145°	6.8
147.5°	8.5
150°	9.4
152.5°	9.4
155°	8.5
157.5°	8.5
160°	8.5
162.5°	8.5
165°	8.5
167.5°	8.5
170°	9.4
172.5°	9.4
175°	9.4
177.5°	9.4
180°	9.4

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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	12.69	13.93	13.06	14.24	14.56	12.69	13.93	13.06	14.24	14.56
	3H	14.81	15.91	15.19	16.25	16.62	14.81	15.91	15.19	16.25	16.62
	4H	15.60	16.63	16.01	16.99	17.38	15.60	16.63	16.01	16.99	17.38
	6H	16.15	17.10	16.57	17.47	17.87	16.15	17.10	16.57	17.47	17.87
	8H	16.30	17.20	16.73	17.59	18.00	16.30	17.20	16.73	17.59	18.00
	12H	16.37	17.23	16.81	17.62	18.05	16.37	17.23	16.81	17.62	18.05
4H	2H	13.30	14.34	13.71	14.69	15.08	13.30	14.34	13.71	14.69	15.08
	3H	15.59	16.44	16.01	16.85	17.26	15.59	16.44	16.01	16.85	17.26
	4H	16.49	17.25	16.92	17.68	18.13	16.49	17.25	16.92	17.68	18.13
	6H	17.14	17.81	17.61	18.26	18.73	17.14	17.81	17.61	18.26	18.73
	8H	17.33	17.95	17.80	18.40	18.87	17.33	17.95	17.80	18.40	18.87
	12H	17.43	17.98	17.92	18.46	18.94	17.43	17.98	17.92	18.46	18.94
8H	4H	16.74	17.36	17.21	17.81	18.29	16.74	17.36	17.21	17.81	18.29
	6H	17.50	18.00	18.00	18.51	18.99	17.50	18.00	18.00	18.51	18.99
	8H	17.74	18.20	18.27	18.72	19.21	17.74	18.20	18.27	18.72	19.21
	12H	17.91	18.30	18.42	18.80	19.38	17.91	18.30	18.42	18.80	19.38
12H	4H	16.75	17.30	17.24	17.78	18.26	16.75	17.30	17.24	17.78	18.26
	6H	17.52	17.98	18.05	18.50	18.99	17.52	17.98	18.05	18.50	18.99
	8H	17.82	18.21	18.34	18.71	19.29	17.82	18.21	18.34	18.71	19.29

END OF REPORT