

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: P1221224

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3500K_L16_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221224
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-14)
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 (3500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

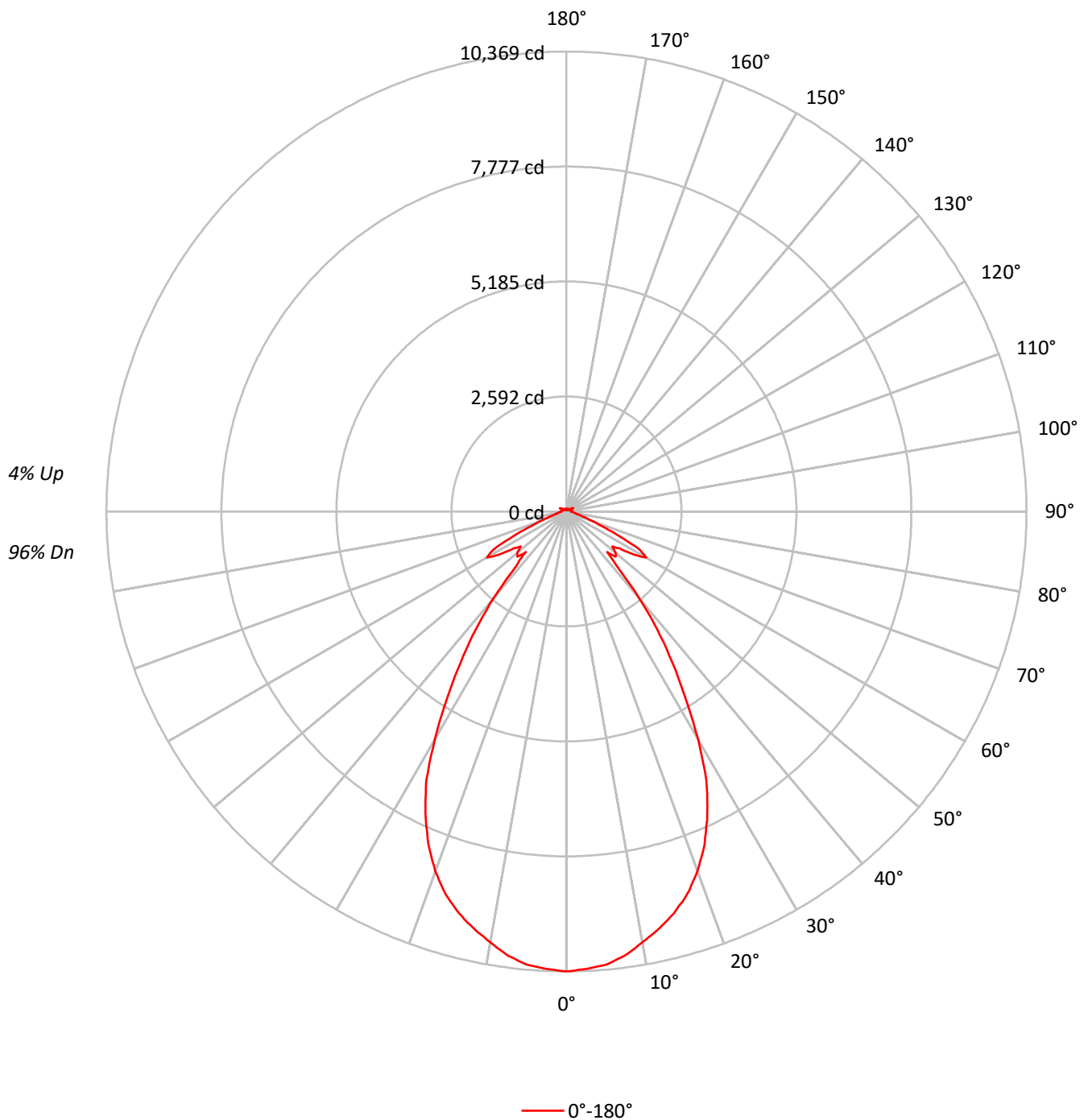
Lumens per Lamp: N/A
Luminaire Lumens: 14639.8 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 100.2
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	104	104	104	99	99	99
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87
2	102	95	90	85	99	93	88	84	89	85	82	86	82	79	82	79	77
3	95	86	80	74	92	85	78	73	81	76	72	78	74	70	75	72	68
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	61
5	83	72	64	59	80	71	64	58	68	62	57	66	61	56	64	59	56
6	77	66	59	53	75	65	58	53	63	57	52	61	56	51	59	54	51
7	73	61	54	48	71	60	53	48	59	52	48	57	51	47	55	50	47
8	69	57	50	45	67	56	49	44	55	48	44	53	48	43	52	47	43
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56686
5°	53755
10°	50028
15°	46390
20°	42034
25°	36279
30°	28586
35°	20186
40°	12517
45°	6528
50°	7499
55°	7800
60°	11775
65°	7907
70°	3691
75°	2020
80°	1496
85°	1250

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 60°
Luminance: 11775 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	966.4	6.6
10°-20°	2626.7	17.9
20°-30°	3407.8	23.3
30°-40°	2592.8	17.7
40°-50°	1250.6	8.5
50°-60°	1427.0	9.7
60°-70°	1316.7	9.0
70°-80°	339.6	2.3
80°-90°	158.1	1.1
90°-100°	109.7	0.7
100°-110°	101.1	0.7
110°-120°	141.5	1.0
120°-130°	85.9	0.6
130°-140°	32.7	0.2
140°-150°	31.7	0.2
150°-160°	32.1	0.2
160°-170°	15.9	0.1
170°-180°	3.4	0.0
0°-30°	7000.9	47.8
0°-40°	9593.8	65.5
0°-60°	12271.4	83.8
0°-90°	14085.8	96.2
90°-120°	352.2	2.4
90°-150°	502.6	3.4
90°-180°	554.0	3.8
0°-180°	14639.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10369	
5°	10255	966
15°	9374	2627
25°	7518	3408
35°	4160	2593
45°	1297	1251
55°	1445	1427
65°	1314	1317
75°	287	340
85°	142	126
90°	108	60
95°	98	81
105°	96	101
115°	165	141
125°	93	86
135°	39	33
145°	51	32
155°	71	32
165°	55	16
175°	34	3
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10369
2.5°	10325
5°	10255
7.5°	10100
10°	9864
12.5°	9637
15°	9374
17.5°	9051
20°	8635
22.5°	8127
25°	7518
27.5°	6833
30°	5930
32.5°	5008
35°	4160
37.5°	3366
40°	2543
42.5°	1711
45°	1297
47.5°	1503
50°	1445
52.5°	1298
55°	1445
57.5°	1828
60°	2077
62.5°	1848
65°	1314
67.5°	863
70°	571
72.5°	395
75°	287
77.5°	226
80°	192
82.5°	165
85°	142
87.5°	123
90°	108
92.5°	102
95°	98
97.5°	98
100°	100
102.5°	101
105°	96
107.5°	88
110°	94

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	128
115°	165
117.5°	162
120°	139
122.5°	116
125°	93
127.5°	73
130°	57
132.5°	46
135°	39
137.5°	36
140°	37
142.5°	43
145°	51
147.5°	59
150°	65
152.5°	69
155°	71
157.5°	71
160°	68
162.5°	63
165°	55
167.5°	47
170°	40
172.5°	35
175°	34
177.5°	32
180°	32

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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	19.15	20.43	19.58	20.82	21.24	19.15	20.43	19.58	20.82	21.24
	3H	19.74	20.89	20.19	21.30	21.76	19.74	20.89	20.19	21.30	21.76
	4H	19.78	20.85	20.25	21.28	21.76	19.78	20.85	20.25	21.28	21.76
	6H	19.78	20.77	20.26	21.22	21.70	19.78	20.77	20.26	21.22	21.70
	8H	19.78	20.71	20.27	21.18	21.68	19.78	20.71	20.27	21.18	21.68
	12H	19.77	20.66	20.27	21.12	21.65	19.77	20.66	20.27	21.12	21.65
4H	2H	19.55	20.62	20.02	21.05	21.53	19.55	20.62	20.02	21.05	21.53
	3H	20.16	21.05	20.63	21.53	22.02	20.16	21.05	20.63	21.53	22.02
	4H	20.21	21.02	20.71	21.51	22.04	20.21	21.02	20.71	21.51	22.04
	6H	20.25	20.94	20.78	21.46	22.01	20.25	20.94	20.78	21.46	22.01
	8H	20.25	20.90	20.79	21.41	21.97	20.25	20.90	20.79	21.41	21.97
	12H	20.27	20.84	20.81	21.38	21.95	20.27	20.84	20.81	21.38	21.95
8H	4H	20.16	20.80	20.69	21.32	21.88	20.16	20.80	20.69	21.32	21.88
	6H	20.22	20.74	20.78	21.31	21.87	20.22	20.74	20.78	21.31	21.87
	8H	20.25	20.71	20.83	21.29	21.87	20.25	20.71	20.83	21.29	21.87
	12H	20.30	20.70	20.88	21.26	21.92	20.30	20.70	20.88	21.26	21.92
12H	4H	20.13	20.70	20.67	21.25	21.81	20.13	20.70	20.67	21.25	21.81
	6H	20.19	20.65	20.77	21.23	21.81	20.19	20.65	20.77	21.23	21.81
	8H	20.24	20.65	20.82	21.21	21.86	20.24	20.65	20.82	21.21	21.86