

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: P1221221

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3500K_L12_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221221
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_L12_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

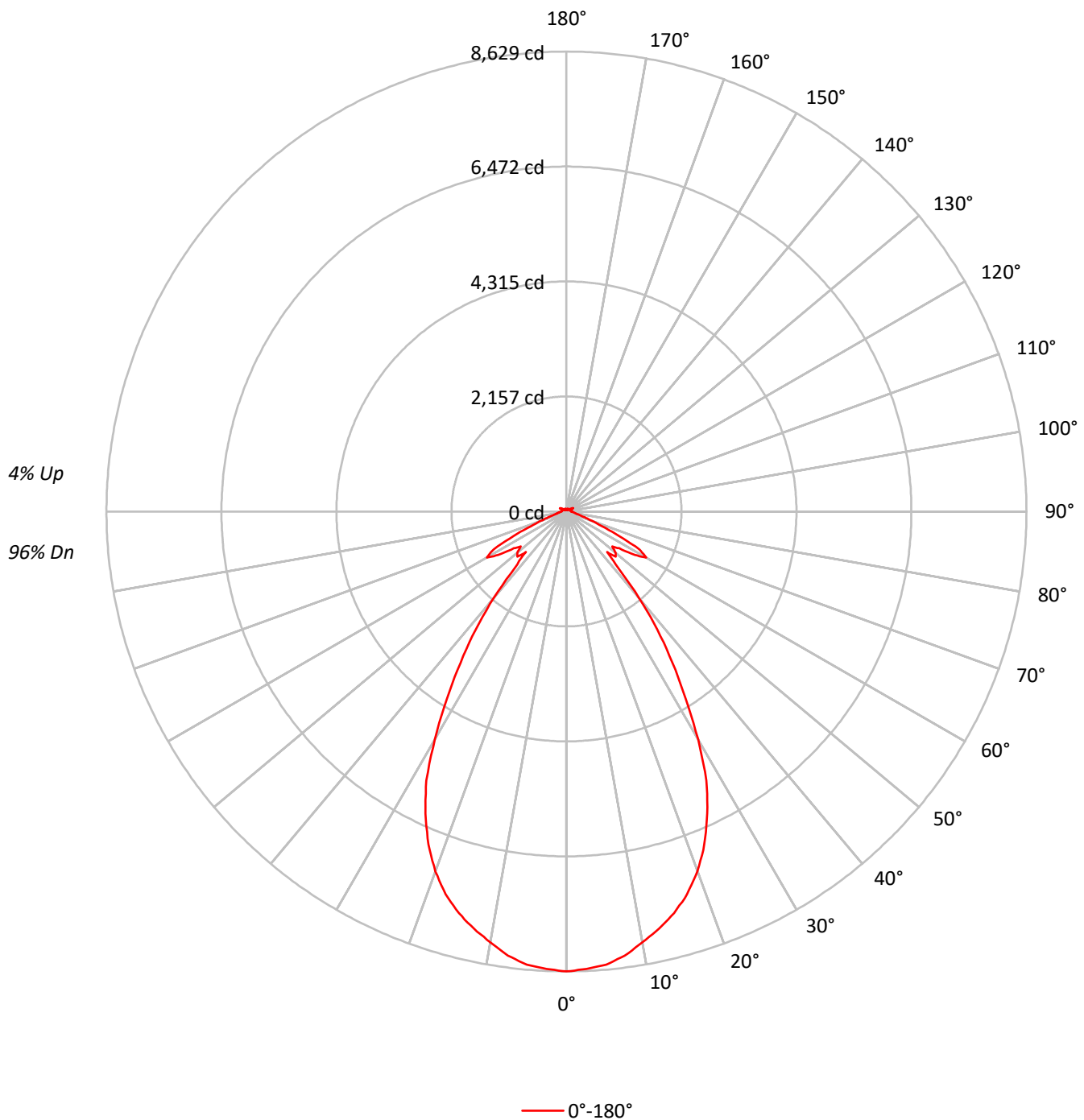
Lumens per Lamp: N/A
Luminaire Lumens: 12182.6 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 81.4
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		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°	47171
5°	44733
10°	41631
15°	38604
20°	34979
25°	30190
30°	23788
35°	16798
40°	10416
45°	5432
50°	6240
55°	6491
60°	9799
65°	6580
70°	3071
75°	1681
80°	1245
85°	1040

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 60°
Luminance: 9799 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	804.2	6.6
10°-20°	2185.9	17.9
20°-30°	2835.8	23.3
30°-40°	2157.6	17.7
40°-50°	1040.7	8.5
50°-60°	1187.5	9.7
60°-70°	1095.7	9.0
70°-80°	282.6	2.3
80°-90°	131.6	1.1
90°-100°	91.3	0.7
100°-110°	84.1	0.7
110°-120°	117.7	1.0
120°-130°	71.5	0.6
130°-140°	27.3	0.2
140°-150°	26.4	0.2
150°-160°	26.7	0.2
160°-170°	13.3	0.1
170°-180°	2.8	0.0
0°-30°	5825.8	47.8
0°-40°	7983.5	65.5
0°-60°	10211.7	83.8
0°-90°	11721.6	96.2
90°-120°	293.1	2.4
90°-150°	418.2	3.4
90°-180°	461.0	3.8
0°-180°	12182.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8629	
5°	8534	804
15°	7801	2186
25°	6256	2836
35°	3462	2158
45°	1079	1041
55°	1202	1188
65°	1094	1096
75°	239	283
85°	118	105
90°	90	50
95°	82	67
105°	80	84
115°	137	118
125°	77	72
135°	32	27
145°	42	26
155°	59	27
165°	46	13
175°	28	3
180°	27	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8628.6
2.5°	8592.0
5°	8533.8
7.5°	8404.8
10°	8208.4
12.5°	8019.5
15°	7800.6
17.5°	7531.8
20°	7185.7
22.5°	6762.9
25°	6256.1
27.5°	5686.1
30°	4934.7
32.5°	4167.4
35°	3461.8
37.5°	2801.0
40°	2116.2
42.5°	1423.8
45°	1079.3
47.5°	1250.7
50°	1202.5
52.5°	1080.1
55°	1202.5
57.5°	1521.2
60°	1728.4
62.5°	1537.8
65°	1093.5
67.5°	718.2
70°	475.2
72.5°	328.7
75°	238.8
77.5°	188.1
80°	159.8
82.5°	137.3
85°	118.2
87.5°	102.4
90°	89.9
92.5°	84.9
95°	81.6
97.5°	81.6
100°	83.2
102.5°	84.0
105°	79.9
107.5°	73.2
110°	78.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	106.5
115°	137.3
117.5°	134.8
120°	115.7
122.5°	96.5
125°	77.4
127.5°	60.7
130°	47.4
132.5°	38.3
135°	32.5
137.5°	30.0
140°	30.8
142.5°	35.8
145°	42.4
147.5°	49.1
150°	54.1
152.5°	57.4
155°	59.1
157.5°	59.1
160°	56.6
162.5°	52.4
165°	45.8
167.5°	39.1
170°	33.3
172.5°	29.1
175°	28.3
177.5°	26.6
180°	26.6

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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	18.51	19.79	18.94	20.19	20.60	18.51	19.79	18.94	20.19	20.60
	3H	19.10	20.25	19.55	20.66	21.12	19.10	20.25	19.55	20.66	21.12
	4H	19.14	20.22	19.61	20.65	21.12	19.14	20.22	19.61	20.65	21.12
	6H	19.14	20.13	19.62	20.58	21.07	19.14	20.13	19.62	20.58	21.07
	8H	19.14	20.08	19.63	20.54	21.04	19.14	20.08	19.63	20.54	21.04
	12H	19.13	20.03	19.63	20.49	21.01	19.13	20.03	19.63	20.49	21.01
4H	2H	18.91	19.98	19.38	20.41	20.89	18.91	19.98	19.38	20.41	20.89
	3H	19.52	20.41	20.00	20.89	21.38	19.52	20.41	20.00	20.89	21.38
	4H	19.58	20.38	20.07	20.87	21.40	19.58	20.38	20.07	20.87	21.40
	6H	19.61	20.30	20.14	20.82	21.37	19.61	20.30	20.14	20.82	21.37
	8H	19.62	20.26	20.15	20.78	21.34	19.62	20.26	20.15	20.78	21.34
	12H	19.63	20.20	20.18	20.75	21.31	19.63	20.20	20.18	20.75	21.31
8H	4H	19.52	20.17	20.05	20.68	21.24	19.52	20.17	20.05	20.68	21.24
	6H	19.58	20.11	20.15	20.67	21.24	19.58	20.11	20.15	20.67	21.24
	8H	19.61	20.07	20.19	20.65	21.23	19.61	20.07	20.19	20.65	21.23
	12H	19.66	20.06	20.24	20.62	21.28	19.66	20.06	20.24	20.62	21.28
12H	4H	19.49	20.06	20.04	20.61	21.17	19.49	20.06	20.04	20.61	21.17
	6H	19.55	20.01	20.13	20.59	21.17	19.55	20.01	20.13	20.59	21.17
	8H	19.61	20.01	20.18	20.57	21.22	19.61	20.01	20.18	20.57	21.22

END OF REPORT