

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: P1221467

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (5000K_L32_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221467
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (5000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

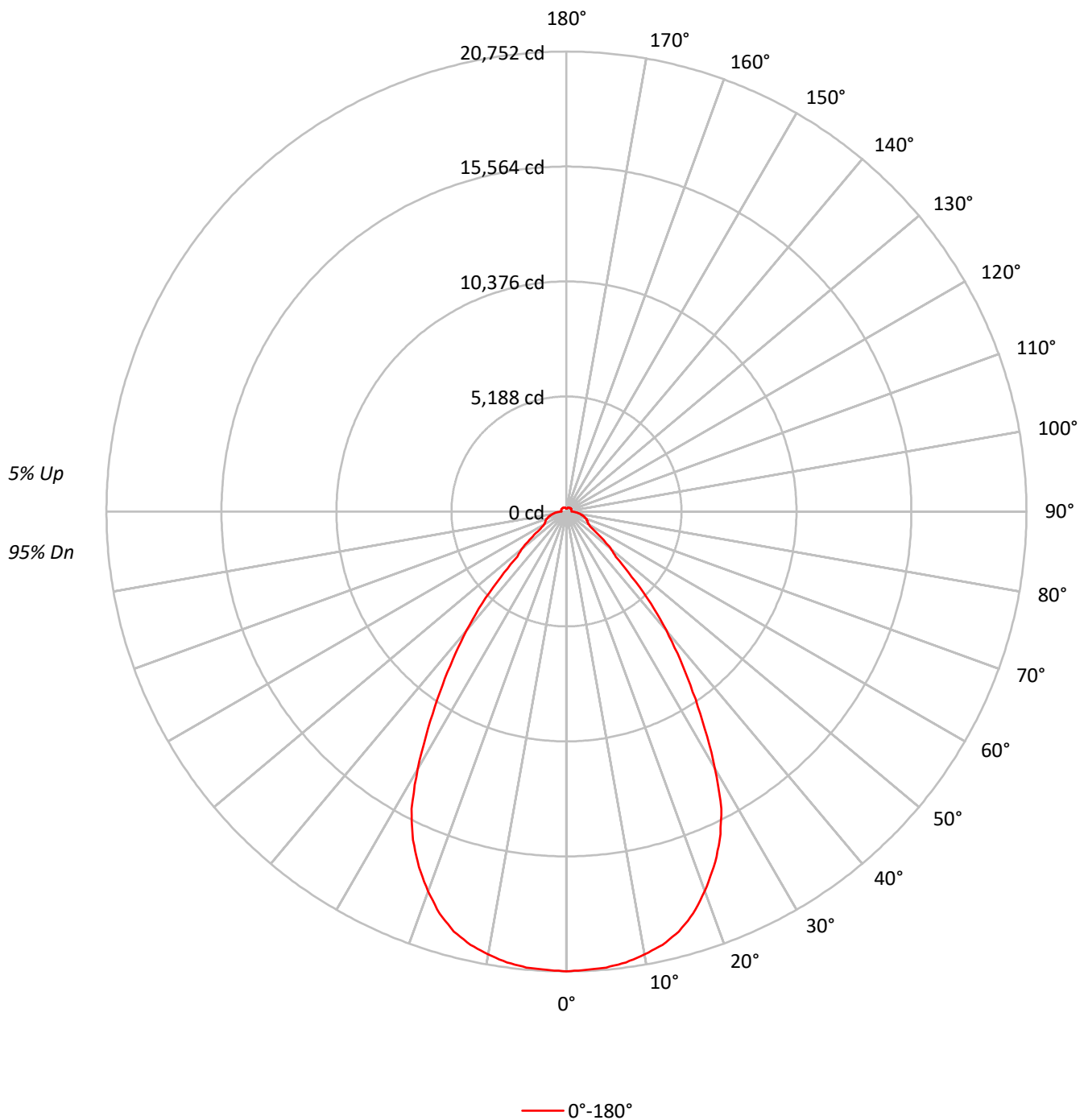
Lumens per Lamp: N/A
Luminaire Lumens: 29728.3 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.1
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		108	108	108		103	103	103		98	98	98
1	110	107	103	100		107	104	101	98		99	96	94		94	92	91		90	89	87
2	103	97	91	87		100	94	90	86		90	86	83		86	83	81		83	80	78
3	96	88	82	77		94	86	81	76		83	78	74		80	76	72		77	73	70
4	90	81	74	69		88	79	73	68		76	71	67		74	69	65		71	67	64
5	84	74	67	62		82	73	66	61		71	65	60		68	63	59		66	62	58
6	79	69	61	56		77	68	61	56		65	60	55		63	58	54		62	57	54
7	75	64	56	51		73	63	56	51		61	55	51		59	54	50		58	53	49
8	70	59	52	47		69	58	52	47		57	51	47		55	50	46		54	49	46
9	66	55	48	44		65	55	48	44		53	47	43		52	47	43		51	46	42
10	63	52	45	41		62	51	45	40		50	44	40		49	43	40		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119665
5°	113759
10°	107731
15°	101254
20°	92255
25°	81837
30°	66775
35°	49611
40°	35358
45°	21448
50°	13674
55°	8647
60°	6581
65°	6351
70°	6043
75°	5514
80°	4749
85°	3681

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 21448 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1960.5	6.6
10°-20°	5493.6	18.5
20°-30°	7424.1	25.0
30°-40°	6230.6	21.0
40°-50°	3359.2	11.3
50°-60°	1522.4	5.1
60°-70°	1035.4	3.5
70°-80°	828.0	2.8
80°-90°	462.9	1.6
90°-100°	254.9	0.9
100°-110°	256.8	0.9
110°-120°	241.1	0.8
120°-130°	210.8	0.7
130°-140°	172.6	0.6
140°-150°	131.0	0.4
150°-160°	87.1	0.3
160°-170°	44.3	0.1
170°-180°	13.0	0.0
0°-30°	14878.2	50.0
0°-40°	21108.8	71.0
0°-60°	25990.4	87.4
0°-90°	28316.7	95.3
90°-120°	752.7	2.5
90°-150°	1267.2	4.3
90°-180°	1412.0	4.7
0°-180°	29728.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20752	
5°	20659	###
15°	19620	5494
25°	16371	7424
35°	9935	6231
45°	4169	3359
55°	1579	1522
65°	1049	1035
75°	788	828
85°	428	388
90°	227	138
95°	234	192
105°	243	257
115°	243	241
125°	235	211
135°	223	173
145°	208	131
155°	189	87
165°	155	44
175°	136	13
180°	134	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20752.4
2.5°	20700.0
5°	20659.0
7.5°	20525.7
10°	20296.9
12.5°	20027.1
15°	19619.9
17.5°	19021.9
20°	18235.1
22.5°	17373.5
25°	16371.3
27.5°	15135.2
30°	13416.0
32.5°	11618.9
35°	9934.6
37.5°	8410.3
40°	7002.9
42.5°	5631.5
45°	4168.7
47.5°	3014.7
50°	2587.0
52.5°	2113.1
55°	1578.7
57.5°	1286.3
60°	1148.9
62.5°	1089.4
65°	1049.4
67.5°	997.0
70°	934.5
72.5°	865.7
75°	787.8
77.5°	705.7
80°	617.5
82.5°	526.2
85°	427.7
87.5°	323.1
90°	226.7
92.5°	230.8
95°	233.9
97.5°	237.0
100°	239.0
102.5°	242.1
105°	243.1
107.5°	244.1
110°	244.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	244.1
115°	243.1
117.5°	242.1
120°	240.0
122.5°	238.0
125°	234.9
127.5°	231.8
130°	229.8
132.5°	225.7
135°	222.6
137.5°	219.5
140°	216.4
142.5°	212.3
145°	208.2
147.5°	204.1
150°	200.0
152.5°	194.9
155°	188.7
157.5°	180.5
160°	171.3
162.5°	163.1
165°	154.9
167.5°	145.7
170°	137.5
172.5°	135.4
175°	136.4
177.5°	135.4
180°	134.4

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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	14.22	15.39	14.67	15.80	16.24	14.22	15.39	14.67	15.80	16.24
	3H	16.23	17.27	16.69	17.70	18.19	16.23	17.27	16.69	17.70	18.19
	4H	17.10	18.07	17.58	18.52	19.02	17.10	18.07	17.58	18.52	19.02
	6H	17.82	18.71	18.31	19.18	19.69	17.82	18.71	18.31	19.18	19.69
	8H	18.09	18.94	18.60	19.43	19.95	18.09	18.94	18.60	19.43	19.95
	12H	18.30	19.12	18.82	19.59	20.14	18.30	19.12	18.82	19.59	20.14
4H	2H	14.74	15.72	15.23	16.16	16.66	14.74	15.72	15.23	16.16	16.66
	3H	16.98	17.79	17.48	18.28	18.80	16.98	17.79	17.48	18.28	18.80
	4H	17.98	18.71	18.49	19.21	19.77	17.98	18.71	18.49	19.21	19.77
	6H	18.84	19.47	19.38	20.00	20.58	18.84	19.47	19.38	20.00	20.58
	8H	19.17	19.76	19.72	20.30	20.88	19.17	19.76	19.72	20.30	20.88
	12H	19.45	19.97	20.01	20.54	21.12	19.45	19.97	20.01	20.54	21.12
8H	4H	18.28	18.87	18.83	19.40	19.98	18.28	18.87	18.83	19.40	19.98
	6H	19.28	19.77	19.86	20.35	20.94	19.28	19.77	19.86	20.35	20.94
	8H	19.71	20.15	20.31	20.74	21.34	19.71	20.15	20.31	20.74	21.34
	12H	20.09	20.48	20.69	21.06	21.73	20.09	20.48	20.69	21.06	21.73
12H	4H	18.30	18.83	18.87	19.39	19.98	18.30	18.83	18.87	19.39	19.98
	6H	19.35	19.78	19.95	20.38	20.98	19.35	19.78	19.95	20.38	20.98
	8H	19.84	20.22	20.43	20.80	21.48	19.84	20.22	20.43	20.80	21.48