

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: P1221477

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (6500K_L32_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221477
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-32)
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 (6500K_L32_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

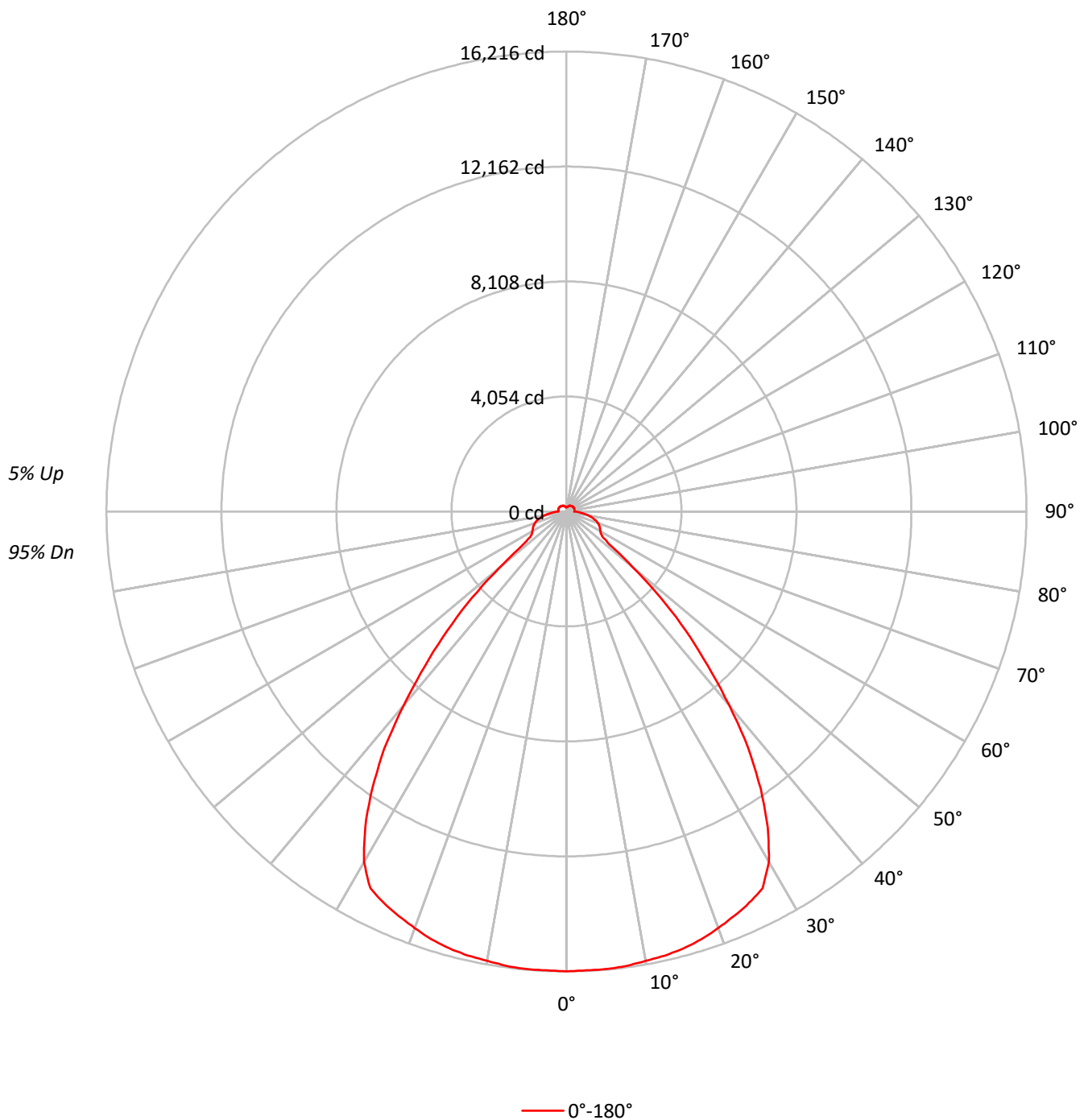
Lumens per Lamp: N/A
Luminaire Lumens: 31112.5 lumens
Efficiency: N/A
Efficacy: 161.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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		114	114	114	114		108	108	108		102	102	102		97	97	97
1	110	106	102	99		106	103	100	97		98	95	93		93	91	89		89	87	86
2	102	95	90	85		99	93	88	84		89	84	81		85	81	78		81	78	76
3	95	86	79	74		92	84	78	73		81	75	71		77	73	69		74	71	68
4	88	78	71	65		86	77	70	65		74	68	63		71	66	62		68	64	61
5	82	72	64	58		80	70	63	58		68	62	57		65	60	56		63	58	55
6	77	66	58	53		75	64	57	52		62	56	51		60	55	51		58	53	50
7	72	60	53	48		70	59	52	47		57	51	47		56	50	46		54	49	45
8	68	56	48	43		66	55	48	43		53	47	43		52	46	42		50	45	41
9	64	52	45	40		62	51	44	39		50	43	39		48	43	39		47	42	38
10	60	48	41	36		58	47	41	36		46	40	36		45	39	36		44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93510
5°	89196
10°	85400
15°	82338
20°	79109
25°	76145
30°	71042
35°	59623
40°	44991
45°	30578
50°	16206
55°	8469
60°	7903
65°	7840
70°	7595
75°	7006
80°	5895
85°	4422

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 30578 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1542.7	5.0
10°-20°	4505.8	14.5
20°-30°	6996.4	22.5
30°-40°	7360.3	23.7
40°-50°	4550.4	14.6
50°-60°	1583.8	5.1
60°-70°	1276.8	4.1
70°-80°	1045.1	3.4
80°-90°	561.2	1.8
90°-100°	309.2	1.0
100°-110°	310.1	1.0
110°-120°	290.3	0.9
120°-130°	253.4	0.8
130°-140°	205.9	0.7
140°-150°	154.7	0.5
150°-160°	101.4	0.3
160°-170°	50.6	0.2
170°-180°	14.4	0.0
0°-30°	13044.8	41.9
0°-40°	20405.2	65.6
0°-60°	26539.4	85.3
0°-90°	29422.5	94.6
90°-120°	909.6	2.9
90°-150°	1523.6	4.9
90°-180°	1690.0	5.4
0°-180°	31112.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16216	
5°	16198	###
15°	15955	4506
25°	15233	6996
35°	11939	7360
45°	5943	4550
55°	1546	1584
65°	1296	1277
75°	1001	1045
85°	514	471
90°	275	167
95°	283	233
105°	293	310
115°	292	290
125°	282	253
135°	266	206
145°	247	155
155°	219	101
165°	177	51
175°	150	14
180°	147	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16216.5
2.5°	16192.1
5°	16198.2
7.5°	16164.7
10°	16089.6
12.5°	16037.8
15°	15954.6
17.5°	15816.5
20°	15636.8
22.5°	15438.8
25°	15232.7
27.5°	14973.8
30°	14273.3
32.5°	13209.4
35°	11939.3
37.5°	10542.3
40°	8910.8
42.5°	7364.6
45°	5943.2
47.5°	4521.9
50°	3066.0
52.5°	1909.7
55°	1546.2
57.5°	1436.6
60°	1379.7
62.5°	1336.1
65°	1295.5
67.5°	1241.6
70°	1174.6
72.5°	1096.5
75°	1001.0
77.5°	889.4
80°	766.5
82.5°	640.6
85°	513.7
87.5°	384.8
90°	275.1
92.5°	280.2
95°	283.3
97.5°	287.3
100°	290.4
102.5°	292.4
105°	293.4
107.5°	294.4
110°	294.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	294.4
115°	292.4
117.5°	291.4
120°	288.3
122.5°	286.3
125°	282.2
127.5°	279.2
130°	275.1
132.5°	270.1
135°	266.0
137.5°	260.9
140°	255.8
142.5°	250.8
145°	246.7
147.5°	240.6
150°	234.5
152.5°	227.4
155°	219.3
157.5°	209.1
160°	198.0
162.5°	187.8
165°	176.7
167.5°	164.5
170°	153.3
172.5°	150.3
175°	150.3
177.5°	148.2
180°	147.2

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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	14.76	15.98	15.22	16.41	16.86	14.76	15.98	15.22	16.41	16.86
	3H	17.15	18.24	17.62	18.68	19.18	17.15	18.24	17.62	18.68	19.18
	4H	18.14	19.16	18.63	19.62	20.14	18.14	19.16	18.63	19.62	20.14
	6H	18.92	19.86	19.43	20.34	20.87	18.92	19.86	19.43	20.34	20.87
	8H	19.20	20.10	19.73	20.59	21.13	19.20	20.10	19.73	20.59	21.13
	12H	19.42	20.27	19.94	20.76	21.32	19.42	20.27	19.94	20.76	21.32
4H	2H	15.43	16.45	15.93	16.92	17.43	15.43	16.45	15.93	16.92	17.43
	3H	18.01	18.86	18.52	19.36	19.90	18.01	18.86	18.52	19.36	19.90
	4H	19.12	19.89	19.65	20.40	20.98	19.12	19.89	19.65	20.40	20.98
	6H	20.03	20.69	20.58	21.24	21.83	20.03	20.69	20.58	21.24	21.83
	8H	20.36	20.99	20.92	21.53	22.13	20.36	20.99	20.92	21.53	22.13
	12H	20.63	21.19	21.21	21.76	22.36	20.63	21.19	21.21	21.76	22.36
8H	4H	19.46	20.08	20.02	20.62	21.22	19.46	20.08	20.02	20.62	21.22
	6H	20.50	21.02	21.09	21.61	22.21	20.50	21.02	21.09	21.61	22.21
	8H	20.93	21.39	21.53	21.99	22.61	20.93	21.39	21.53	21.99	22.61
	12H	21.30	21.71	21.90	22.29	22.98	21.30	21.71	21.90	22.29	22.98
12H	4H	19.49	20.04	20.07	20.62	21.22	19.49	20.04	20.07	20.62	21.22
	6H	20.57	21.03	21.18	21.64	22.25	20.57	21.03	21.18	21.64	22.25
	8H	21.06	21.47	21.66	22.05	22.74	21.06	21.47	21.66	22.05	22.74

END OF REPORT