

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: P1221495

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3500K_L32_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221495
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3500K_L32_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

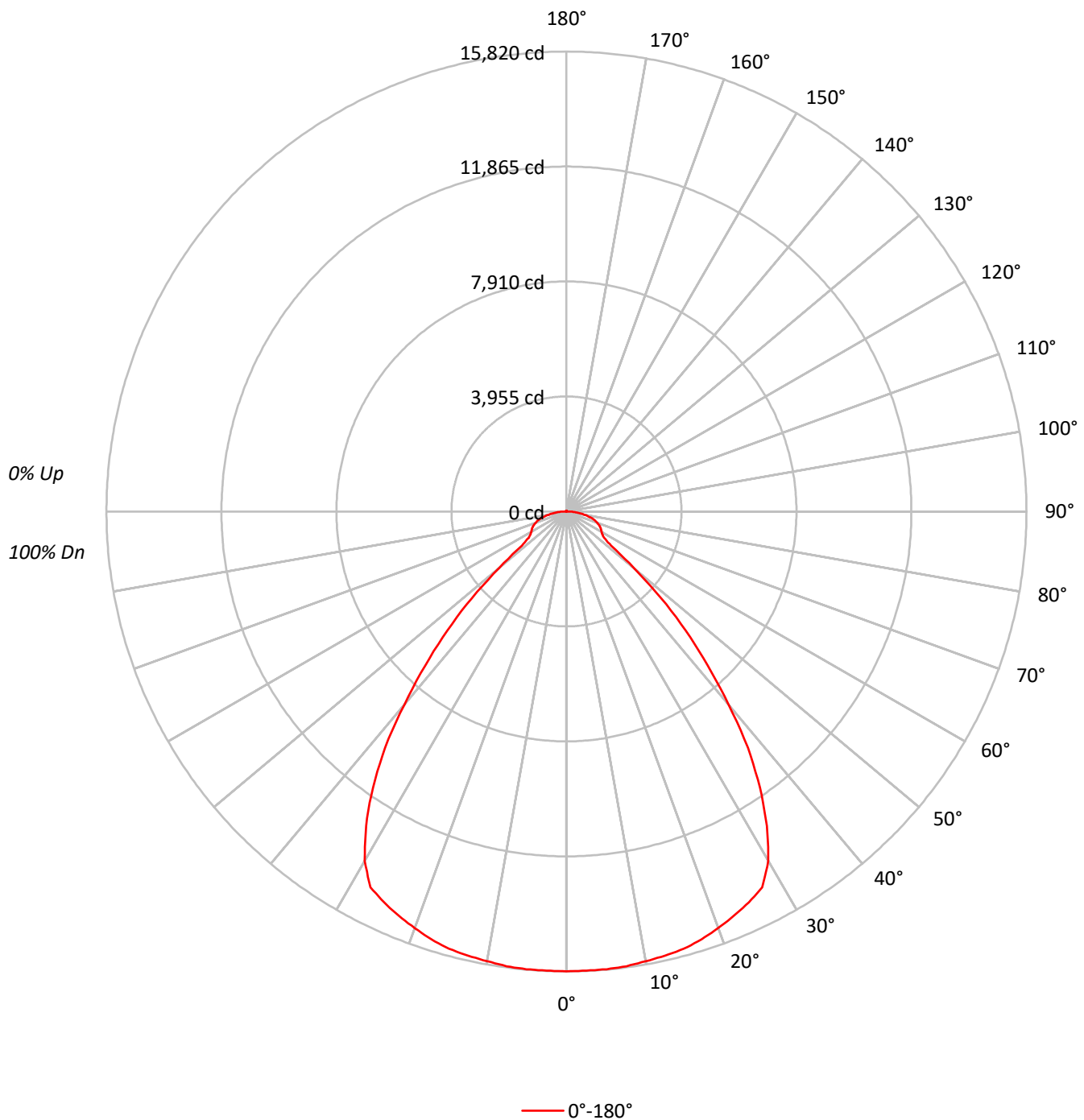
Lumens per Lamp: N/A
Luminaire Lumens: 28532.5 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	61	57	53
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44
9	65	53	46	41	64	53	46	41	51	45	41	50	45	41	49	44	40
10	61	49	42	38	60	49	42	38	48	42	38	47	41	37	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91223
5°	87042
10°	83385
15°	80374
20°	77163
25°	74182
30°	69080
35°	57948
40°	43805
45°	29846
50°	15963
55°	8659
60°	7991
65°	7771
70°	7255
75°	6299
80°	4691
85°	2556

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 29846 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1505.8	5.3
10°-20°	4397.4	15.4
20°-30°	6816.5	23.9
30°-40°	7153.9	25.1
40°-50°	4441.1	15.6
50°-60°	1597.1	5.6
60°-70°	1262.8	4.4
70°-80°	935.6	3.3
80°-90°	327.2	1.1
90°-100°	9.8	0.0
100°-110°	10.4	0.0
110°-120°	10.9	0.0
120°-130°	11.7	0.0
130°-140°	13.2	0.0
140°-150°	15.8	0.1
150°-160°	13.7	0.0
160°-170°	7.1	0.0
170°-180°	2.4	0.0
0°-30°	12719.8	44.6
0°-40°	19873.6	69.7
0°-60°	25911.7	90.8
0°-90°	28437.3	99.7
90°-120°	31.2	0.1
90°-150°	71.9	0.3
90°-180°	95.0	0.3
0°-180°	28532.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15820	
5°	15807	###
15°	15574	4397
25°	14840	6817
35°	11604	7154
45°	5801	4441
55°	1581	1597
65°	1284	1263
75°	900	936
85°	297	307
90°	9	23
95°	9	7
105°	10	10
115°	11	11
125°	13	12
135°	17	13
145°	25	16
155°	30	14
165°	25	7
175°	25	2
180°	28	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15820
2.5°	15806
5°	15807
7.5°	15777
10°	15710
12.5°	15651
15°	15574
17.5°	15437
20°	15252
22.5°	15056
25°	14840
27.5°	14586
30°	13879
32.5°	12828
35°	11604
37.5°	10246
40°	8676
42.5°	7181
45°	5801
47.5°	4414
50°	3020
52.5°	1923
55°	1581
57.5°	1461
60°	1395
62.5°	1342
65°	1284
67.5°	1211
70°	1122
72.5°	1019
75°	900
77.5°	760
80°	610
82.5°	455
85°	297
87.5°	141
90°	9
92.5°	9
95°	9
97.5°	9
100°	9
102.5°	10
105°	10
107.5°	10
110°	10

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	11
115°	11
117.5°	11
120°	12
122.5°	12
125°	13
127.5°	14
130°	15
132.5°	16
135°	17
137.5°	18
140°	20
142.5°	23
145°	25
147.5°	28
150°	31
152.5°	31
155°	30
157.5°	28
160°	26
162.5°	25
165°	25
167.5°	25
170°	25
172.5°	25
175°	25
177.5°	27
180°	28

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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	15.40	16.70	15.77	17.02	17.35	15.40	16.70	15.77	17.02	17.35
	3H	17.62	18.78	18.00	19.11	19.49	17.62	18.78	18.00	19.11	19.49
	4H	18.46	19.54	18.87	19.90	20.29	18.46	19.54	18.87	19.90	20.29
	6H	19.04	20.04	19.46	20.42	20.82	19.04	20.04	19.46	20.42	20.82
	8H	19.20	20.15	19.64	20.55	20.96	19.20	20.15	19.64	20.55	20.96
	12H	19.28	20.19	19.72	20.58	21.01	19.28	20.19	19.72	20.58	21.01
4H	2H	16.04	17.13	16.45	17.49	17.88	16.04	17.13	16.45	17.49	17.88
	3H	18.44	19.33	18.85	19.74	20.15	18.44	19.33	18.85	19.74	20.15
	4H	19.39	20.19	19.83	20.62	21.07	19.39	20.19	19.83	20.62	21.07
	6H	20.07	20.77	20.54	21.22	21.70	20.07	20.77	20.54	21.22	21.70
	8H	20.27	20.92	20.74	21.37	21.85	20.27	20.92	20.74	21.37	21.85
	12H	20.38	20.95	20.87	21.44	21.92	20.38	20.95	20.87	21.44	21.92
8H	4H	19.66	20.31	20.14	20.77	21.24	19.66	20.31	20.14	20.77	21.24
	6H	20.45	20.98	20.95	21.48	21.97	20.45	20.98	20.95	21.48	21.97
	8H	20.70	21.18	21.23	21.70	22.20	20.70	21.18	21.23	21.70	22.20
	12H	20.87	21.29	21.39	21.79	22.37	20.87	21.29	21.39	21.79	22.37
12H	4H	19.67	20.25	20.16	20.74	21.22	19.67	20.25	20.16	20.74	21.22
	6H	20.48	20.96	21.00	21.48	21.98	20.48	20.96	21.00	21.48	21.98
	8H	20.78	21.20	21.30	21.70	22.28	20.78	21.20	21.30	21.70	22.28

END OF REPORT