

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: P1221453

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3500K_L36_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221453
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 (3500K_L36_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

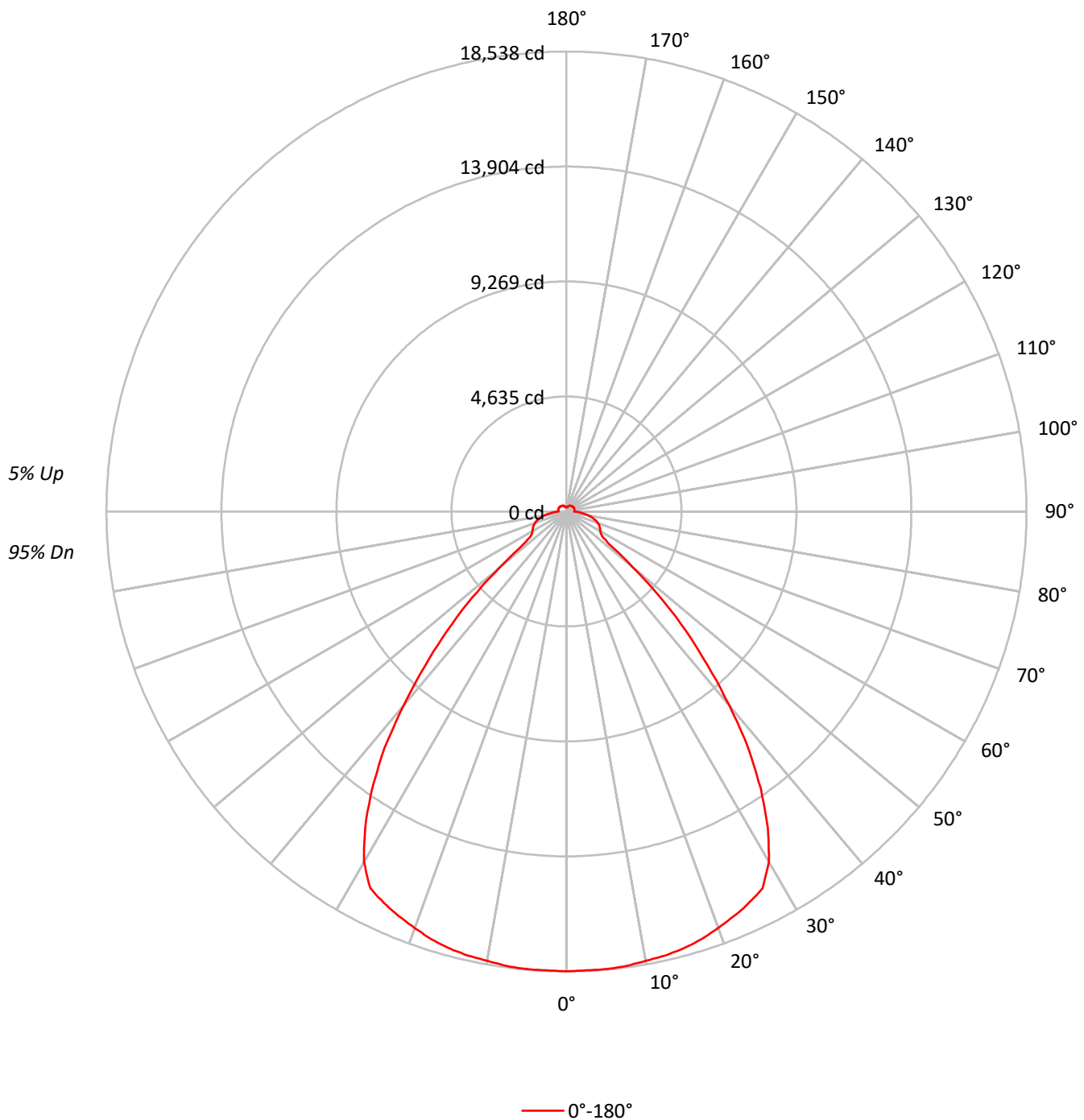
Lumens per Lamp: N/A
Luminaire Lumens: 35565.6 lumens
Efficiency: N/A
Efficacy: 154.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 230.2
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	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	97	97	97	97	97			
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	86	86	86	86	83			
2	102	95	90	85	99	93	88	84	89	84	81	85	81	78	81	78	76	76	76	76	76	74			
3	95	86	79	74	92	84	78	73	81	75	71	77	73	69	74	71	68	68	68	68	68	65			
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	68	64	61	61	61	61	61	59			
5	82	72	64	58	80	70	63	58	68	62	57	65	60	56	63	58	55	55	55	55	55	53			
6	77	66	58	53	75	64	57	52	62	56	51	60	55	51	58	53	50	50	50	50	50	48			
7	72	60	53	48	70	59	52	47	57	51	47	56	50	46	54	49	45	45	45	45	45	44			
8	68	56	48	43	66	55	48	43	53	47	43	52	46	42	50	45	41	41	41	41	41	40			
9	64	52	45	40	62	51	44	39	50	43	39	48	43	39	47	42	38	38	38	38	38	36			
10	60	48	41	36	58	47	41	36	46	40	36	45	39	36	44	39	35	35	35	35	35	34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	106893
5°	101962
10°	97623
15°	94123
20°	90432
25°	87044
30°	81211
35°	68156
40°	51430
45°	34955
50°	18526
55°	9681
60°	9035
65°	8962
70°	8683
75°	8009
80°	6739
85°	5054

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34955 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1763.5	5.0
10°-20°	5150.7	14.5
20°-30°	7997.7	22.5
30°-40°	8413.8	23.7
40°-50°	5201.7	14.6
50°-60°	1810.5	5.1
60°-70°	1459.6	4.1
70°-80°	1194.6	3.4
80°-90°	641.5	1.8
90°-100°	353.4	1.0
100°-110°	354.5	1.0
110°-120°	331.8	0.9
120°-130°	289.7	0.8
130°-140°	235.4	0.7
140°-150°	176.8	0.5
150°-160°	115.9	0.3
160°-170°	57.8	0.2
170°-180°	16.4	0.0
0°-30°	14911.9	41.9
0°-40°	23325.7	65.6
0°-60°	30337.9	85.3
0°-90°	33633.7	94.6
90°-120°	1039.7	2.9
90°-150°	1741.7	4.9
90°-180°	1932.0	5.4
0°-180°	35565.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18538	
5°	18517	###
15°	18238	5151
25°	17413	7998
35°	13648	8414
45°	6794	5202
55°	1768	1811
65°	1481	1460
75°	1144	1195
85°	587	538
90°	314	190
95°	324	266
105°	335	355
115°	334	332
125°	323	290
135°	304	235
145°	282	177
155°	251	116
165°	202	58
175°	172	16
180°	168	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18537.5
2.5°	18509.7
5°	18516.6
7.5°	18478.3
10°	18392.4
12.5°	18333.3
15°	18238.1
17.5°	18080.3
20°	17874.8
22.5°	17648.5
25°	17412.9
27.5°	17117.0
30°	16316.2
32.5°	15100.0
35°	13648.1
37.5°	12051.2
40°	10186.2
42.5°	8418.7
45°	6793.9
47.5°	5169.1
50°	3504.9
52.5°	2183.0
55°	1767.5
57.5°	1642.2
60°	1577.2
62.5°	1527.3
65°	1480.9
67.5°	1419.4
70°	1342.8
72.5°	1253.4
75°	1144.3
77.5°	1016.6
80°	876.2
82.5°	732.3
85°	587.2
87.5°	439.8
90°	314.5
92.5°	320.3
95°	323.8
97.5°	328.4
100°	331.9
102.5°	334.2
105°	335.4
107.5°	336.6
110°	336.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	336.6
115°	334.2
117.5°	333.1
120°	329.6
122.5°	327.3
125°	322.6
127.5°	319.2
130°	314.5
132.5°	308.7
135°	304.1
137.5°	298.3
140°	292.5
142.5°	286.7
145°	282.0
147.5°	275.1
150°	268.1
152.5°	260.0
155°	250.7
157.5°	239.1
160°	226.3
162.5°	214.7
165°	201.9
167.5°	188.0
170°	175.2
172.5°	171.8
175°	171.8
177.5°	169.4
180°	168.3

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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	15.23	16.45	15.68	16.87	17.33	15.23	16.45	15.68	16.87	17.33
	3H	17.61	18.70	18.09	19.15	19.64	17.61	18.70	18.09	19.15	19.64
	4H	18.60	19.63	19.10	20.09	20.60	18.60	19.63	19.10	20.09	20.60
	6H	19.39	20.33	19.89	20.81	21.33	19.39	20.33	19.89	20.81	21.33
	8H	19.67	20.56	20.19	21.06	21.59	19.67	20.56	20.19	21.06	21.59
	12H	19.88	20.73	20.41	21.22	21.78	19.88	20.73	20.41	21.22	21.78
4H	2H	15.90	16.92	16.40	17.38	17.90	15.90	16.92	16.40	17.38	17.90
	3H	18.47	19.32	18.98	19.83	20.36	18.47	19.32	18.98	19.83	20.36
	4H	19.59	20.35	20.11	20.87	21.44	19.59	20.35	20.11	20.87	21.44
	6H	20.50	21.16	21.05	21.70	22.29	20.50	21.16	21.05	21.70	22.29
	8H	20.83	21.45	21.39	22.00	22.59	20.83	21.45	21.39	22.00	22.59
	12H	21.10	21.65	21.67	22.23	22.83	21.10	21.65	21.67	22.23	22.83
8H	4H	19.92	20.54	20.48	21.09	21.69	19.92	20.54	20.48	21.09	21.69
	6H	20.97	21.48	21.56	22.07	22.68	20.97	21.48	21.56	22.07	22.68
	8H	21.39	21.85	22.00	22.46	23.07	21.39	21.85	22.00	22.46	23.07
	12H	21.76	22.17	22.36	22.76	23.45	21.76	22.17	22.36	22.76	23.45
12H	4H	19.96	20.51	20.53	21.08	21.68	19.96	20.51	20.53	21.08	21.68
	6H	21.04	21.50	21.64	22.10	22.72	21.04	21.50	21.64	22.10	22.72
	8H	21.52	21.93	22.12	22.52	23.21	21.52	21.93	22.12	22.52	23.21

END OF REPORT