

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: P1221469

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (5000K_L36_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221469
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-31)
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_L36_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

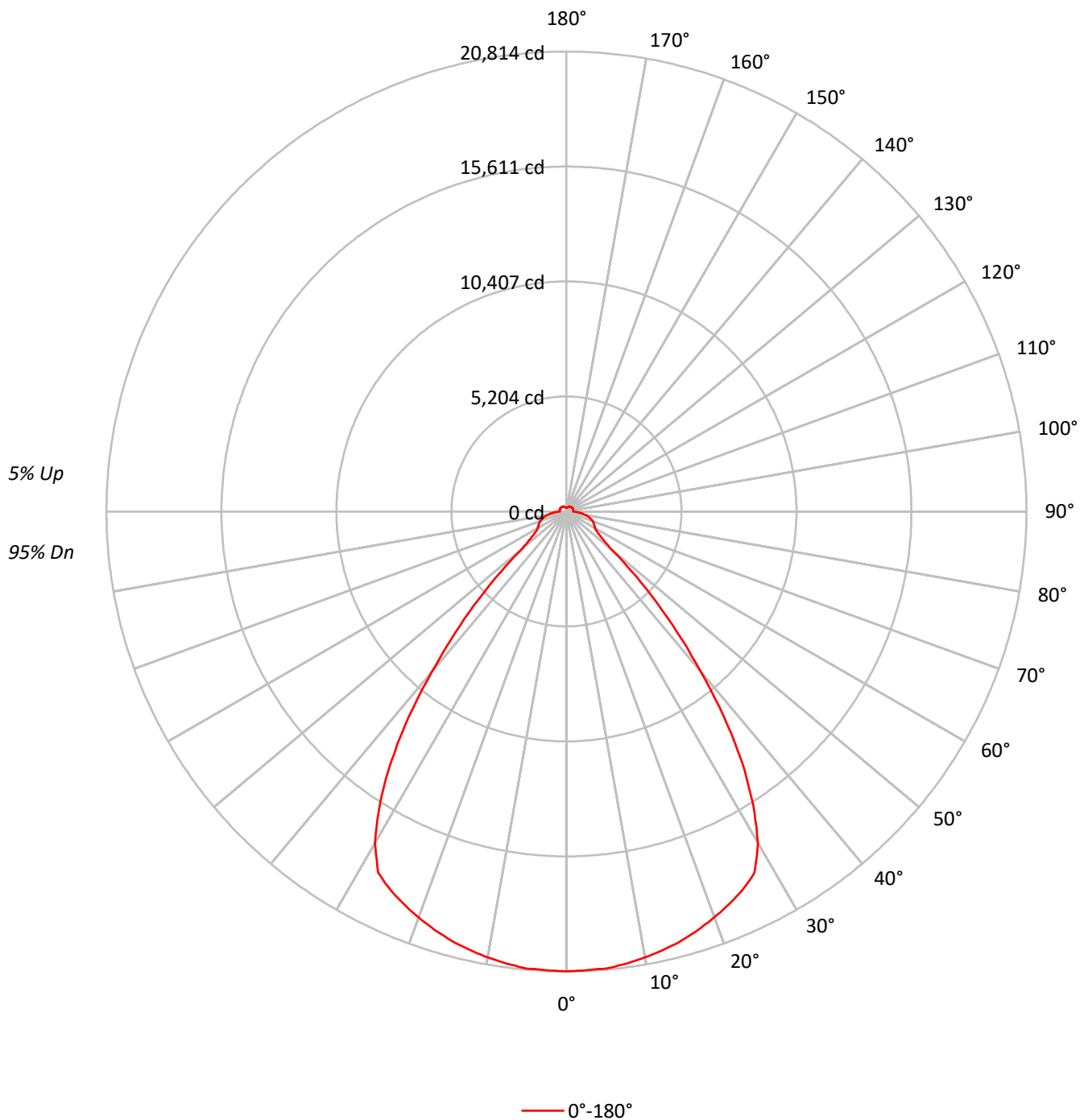
Lumens per Lamp: N/A
Luminaire Lumens: 35776.6 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	115	115	115	115	108	108	108	103	103	103	97	97	97	97	97	97	97	97			
1	110	106	103	100	107	103	100	97	98	96	93	94	92	90	89	88	86	86	86	86	86	86			
2	102	96	90	86	99	94	89	85	89	85	82	85	82	79	82	79	77	77	77	77	77	77			
3	95	87	81	75	93	85	79	74	82	77	73	78	74	71	75	72	69	69	69	69	69	69			
4	89	79	72	67	87	78	71	66	75	69	65	72	67	64	70	66	62	62	62	62	62	62			
5	83	73	66	60	81	72	65	60	69	63	59	67	62	58	64	60	57	57	57	57	57	57			
6	78	67	60	54	76	66	59	54	64	58	53	62	56	52	60	55	52	52	52	52	52	52			
7	73	62	55	49	71	61	54	49	59	53	48	57	52	48	56	51	47	47	47	47	47	47			
8	69	57	50	45	67	57	50	45	55	49	44	53	48	44	52	47	43	43	43	43	43	43			
9	65	53	46	42	63	53	46	41	51	45	41	50	44	40	49	44	40	40	40	40	40	40			
10	61	50	43	38	60	49	43	38	48	42	38	47	41	37	46	41	37	37	37	37	37	37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120020
5°	114292
10°	108783
15°	103810
20°	98930
25°	94405
30°	86260
35°	69104
40°	47610
45°	28775
50°	13743
55°	9800
60°	8538
65°	8401
70°	8106
75°	7532
80°	6473
85°	4878

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28775 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1972.5	5.5
10°-20°	5677.4	15.9
20°-30°	8650.7	24.2
30°-40°	8487.4	23.7
40°-50°	4384.7	12.3
50°-60°	1670.2	4.7
60°-70°	1368.9	3.8
70°-80°	1125.3	3.1
80°-90°	617.1	1.7
90°-100°	333.1	0.9
100°-110°	333.9	0.9
110°-120°	312.6	0.9
120°-130°	272.5	0.8
130°-140°	222.0	0.6
140°-150°	167.2	0.5
150°-160°	110.2	0.3
160°-170°	55.1	0.2
170°-180°	15.7	0.0
0°-30°	16300.7	45.6
0°-40°	24788.0	69.3
0°-60°	30843.0	86.2
0°-90°	33954.2	94.9
90°-120°	979.7	2.7
90°-150°	1641.4	4.6
90°-180°	1822.0	5.1
0°-180°	35776.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20814	
5°	20756	###
15°	20115	5677
25°	18886	8651
35°	13838	8487
45°	5593	4385
55°	1789	1670
65°	1388	1369
75°	1076	1125
85°	567	519
90°	298	181
95°	306	251
105°	317	334
115°	316	313
125°	304	272
135°	287	222
145°	266	167
155°	238	110
165°	192	55
175°	164	16
180°	163	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20814.0
2.5°	20780.7
5°	20755.7
7.5°	20649.7
10°	20495.0
12.5°	20315.2
15°	20115.2
17.5°	19849.7
20°	19554.5
22.5°	19234.3
25°	18885.5
27.5°	18427.1
30°	17330.7
32.5°	15727.2
35°	13837.9
37.5°	11716.5
40°	9429.6
42.5°	7417.8
45°	5592.8
47.5°	3995.2
50°	2600.0
52.5°	2064.3
55°	1789.3
57.5°	1588.1
60°	1490.5
62.5°	1434.5
65°	1388.1
67.5°	1327.4
70°	1253.6
72.5°	1170.2
75°	1076.2
77.5°	966.7
80°	841.7
82.5°	707.1
85°	566.7
87.5°	421.4
90°	297.6
92.5°	301.2
95°	305.9
97.5°	309.5
100°	311.9
102.5°	314.3
105°	316.7
107.5°	316.7
110°	317.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	316.7
115°	315.5
117.5°	313.1
120°	310.7
122.5°	307.1
125°	303.6
127.5°	300.0
130°	296.4
132.5°	290.5
135°	286.9
137.5°	282.1
140°	276.2
142.5°	271.4
145°	265.5
147.5°	260.7
150°	254.8
152.5°	246.4
155°	238.1
157.5°	227.4
160°	216.7
162.5°	203.6
165°	191.7
167.5°	179.8
170°	167.9
172.5°	164.3
175°	164.3
177.5°	163.1
180°	163.1

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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	15.03	16.21	15.48	16.63	17.08	15.03	16.21	15.48	16.63	17.08
	3H	17.29	18.35	17.76	18.79	19.28	17.29	18.35	17.76	18.79	19.28
	4H	18.26	19.25	18.75	19.70	20.21	18.26	19.25	18.75	19.70	20.21
	6H	19.05	19.96	19.55	20.43	20.95	19.05	19.96	19.55	20.43	20.95
	8H	19.34	20.21	19.86	20.70	21.22	19.34	20.21	19.86	20.70	21.22
	12H	19.56	20.39	20.08	20.87	21.42	19.56	20.39	20.08	20.87	21.42
4H	2H	15.64	16.63	16.14	17.09	17.60	15.64	16.63	16.14	17.09	17.60
	3H	18.11	18.93	18.61	19.44	19.96	18.11	18.93	18.61	19.44	19.96
	4H	19.21	19.95	19.73	20.46	21.03	19.21	19.95	19.73	20.46	21.03
	6H	20.14	20.78	20.68	21.32	21.90	20.14	20.78	20.68	21.32	21.90
	8H	20.48	21.08	21.04	21.62	22.21	20.48	21.08	21.04	21.62	22.21
	12H	20.76	21.29	21.33	21.86	22.46	20.76	21.29	21.33	21.86	22.46
8H	4H	19.54	20.14	20.09	20.68	21.27	19.54	20.14	20.09	20.68	21.27
	6H	20.61	21.11	21.19	21.69	22.29	20.61	21.11	21.19	21.69	22.29
	8H	21.05	21.50	21.65	22.10	22.70	21.05	21.50	21.65	22.10	22.70
	12H	21.43	21.83	22.03	22.41	23.09	21.43	21.83	22.03	22.41	23.09
12H	4H	19.57	20.11	20.14	20.68	21.27	19.57	20.11	20.14	20.68	21.27
	6H	20.68	21.13	21.28	21.73	22.34	20.68	21.13	21.28	21.73	22.34
	8H	21.18	21.58	21.78	22.16	22.84	21.18	21.58	21.78	22.16	22.84