

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P844436

Luminaire Tested: **LD6C35DE010B50 EU6C35B50 6LBWLI**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205209)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35DE010B50 EU6C35B50 6LBWLI
Description:
Light Source: -
Ballast/Driver:

Summary

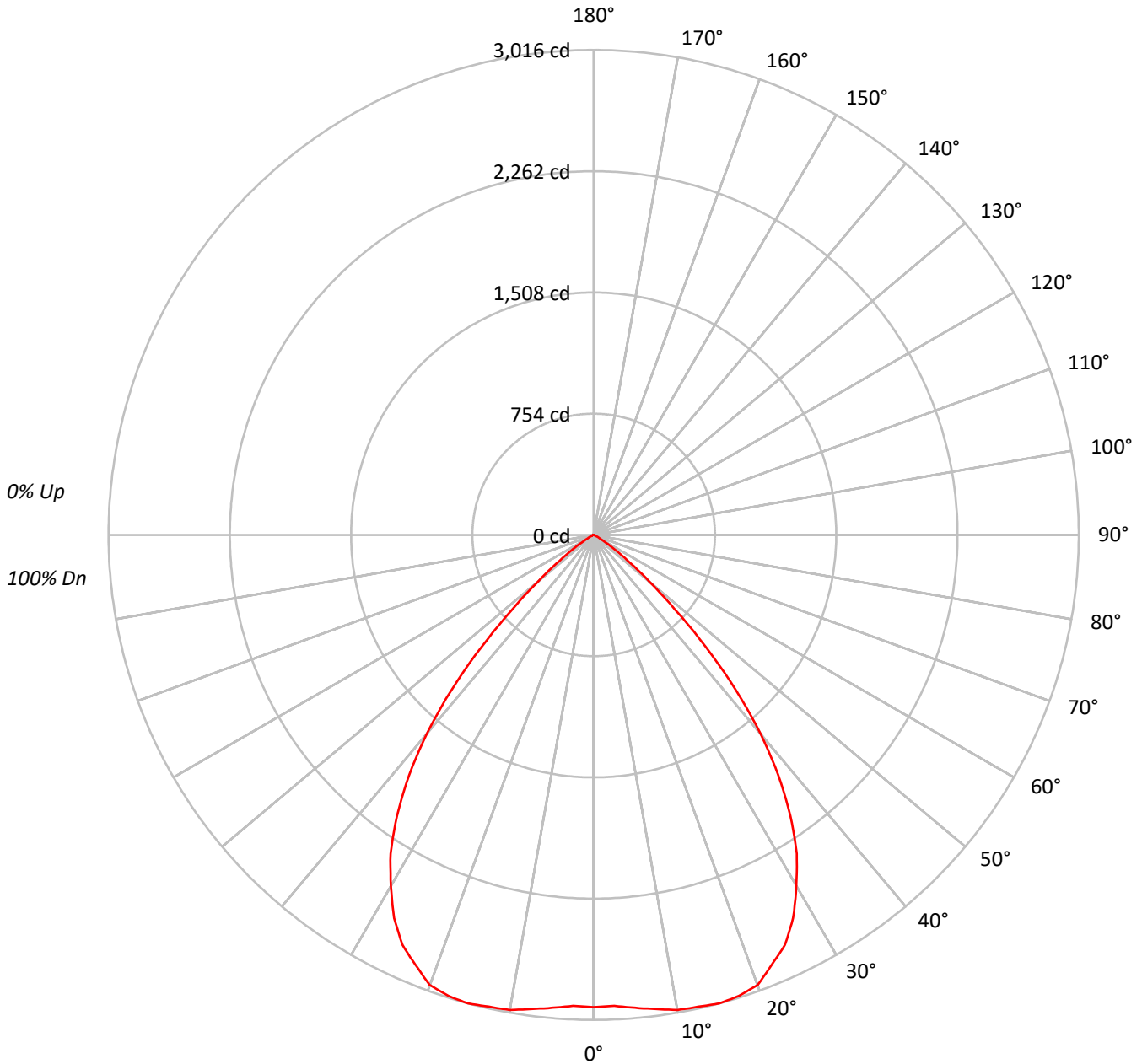
Lumens per Lamp: N/A
Luminaire Lumens: 4700.2 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 41.7
Input Voltage (V):
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: 25 FT

TEST NUMBER: P844436

CATALOG NUMBER: LD6C35DE010B50 EU6C35B50 6LBWLI

Luminous Intensity Polar Plot





TEST NUMBER: P844436

CATALOG NUMBER: LD6C35DE010B50 EU6C35B50 6LBWLI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92				92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83				83
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76				76
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69				69
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63				63
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57				57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52				52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48				48
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44				44
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41				41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	160968
5°	162458
10°	167003
15°	171181
20°	173778
25°	170187
30°	159563
35°	142660
40°	115552
45°	76434
50°	38634
55°	16305
60°	5252
65°	2062
70°	1715
75°	1144
80°	0
85°	0



TEST NUMBER: P844436

CATALOG NUMBER: LD6C35DE010B50 EU6C35B50 6LBWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.3	6.0
10°-20°	851.4	18.1
20°-30°	1283.4	27.3
30°-40°	1313.7	27.9
40°-50°	765.3	16.3
50°-60°	175.9	3.7
60°-70°	21.6	0.5
70°-80°	5.7	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2418.1	51.4
0°-40°	3731.8	79.4
0°-60°	4672.9	99.4
0°-90°	4700.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4700.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2936	
5°	2952	283
15°	3016	851
25°	2814	1283
35°	2132	1314
45°	986	765
55°	171	176
65°	16	22
75°	5	6
85°	0	0
90°	0	



TEST NUMBER: P844436

CATALOG NUMBER: LD6C35DE010B50 EU6C35B50 6LBWLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2936.3
2.5°	2930.9
5°	2952.2
7.5°	2973.4
10°	3000.1
12.5°	3005.5
15°	3016.2
17.5°	3005.5
20°	2978.8
22.5°	2893.6
25°	2813.6
27.5°	2685.9
30°	2520.7
32.5°	2350.1
35°	2131.7
37.5°	1886.4
40°	1614.7
42.5°	1310.9
45°	985.9
47.5°	687.4
50°	453.0
52.5°	287.8
55°	170.6
57.5°	90.6
60°	47.9
62.5°	26.7
65°	15.9
67.5°	15.9
70°	10.7
72.5°	5.4
75°	5.4
77.5°	5.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)