

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: P844420

Luminaire Tested: **LD6C35DE010B50 EU6C35B50 6LBCSMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204757)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35DE010B50 EU6C35B50 6LBCSMB
Description:
Light Source: -
Ballast/Driver:

Summary

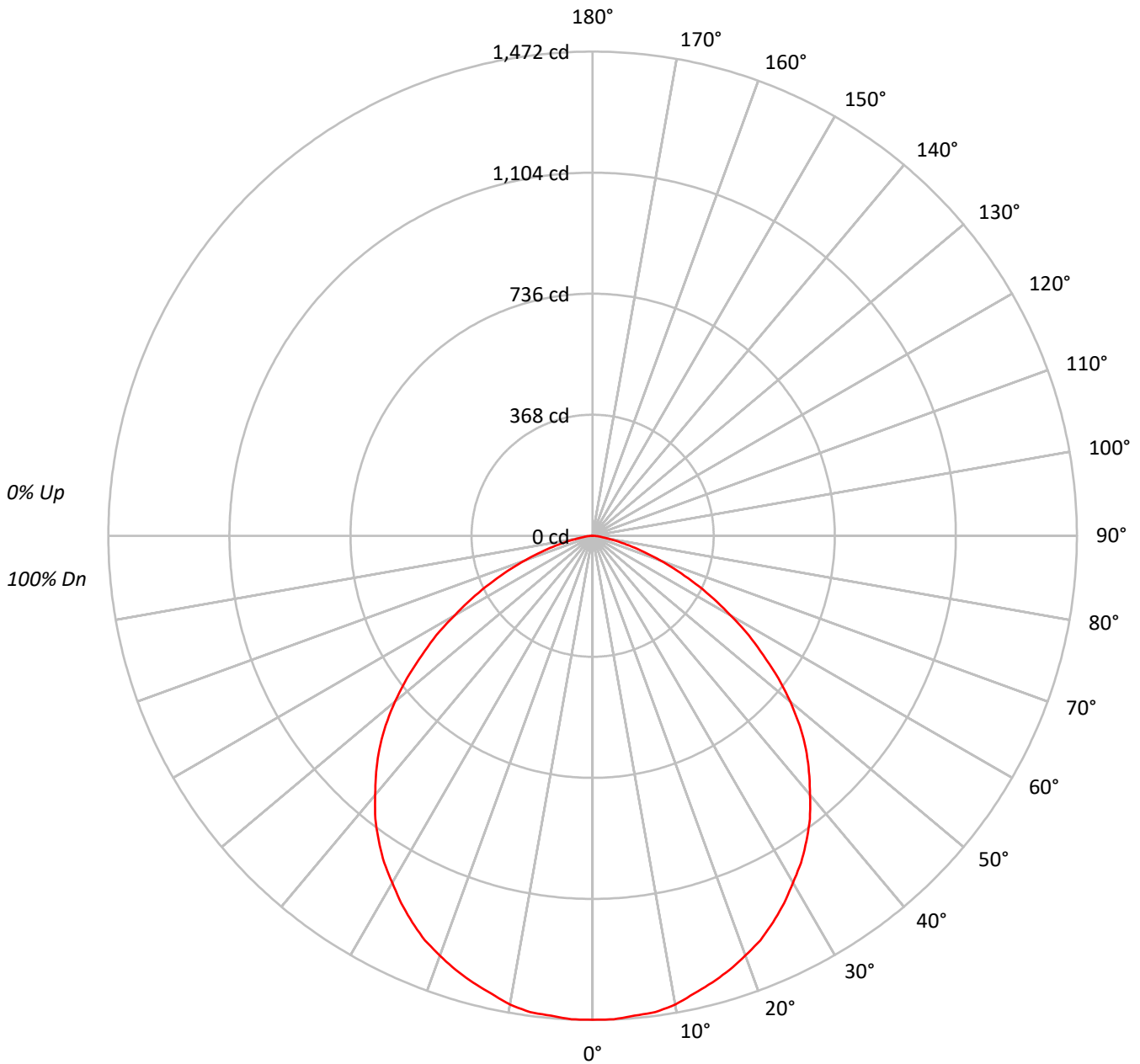
Lumens per Lamp: N/A
Luminaire Lumens: 3602.3 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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			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			
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87			
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74			
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63			
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55			
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48			
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42			
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33			
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30			
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80668
5°	80602
10°	80565
15°	79796
20°	79218
25°	78434
30°	77100
35°	75831
40°	73581
45°	71093
50°	66846
55°	60519
60°	53121
65°	44726
70°	35006
75°	24527
80°	13764
85°	9498



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.4	3.9
10°-20°	396.9	11.0
20°-30°	597.0	16.6
30°-40°	707.6	19.6
40°-50°	704.1	19.5
50°-60°	567.6	15.8
60°-70°	343.3	9.5
70°-80°	127.5	3.5
80°-90°	18.9	0.5
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°	1133.3	31.5
0°-40°	1840.8	51.1
0°-60°	3112.6	86.4
0°-90°	3602.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3602.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1472	
5°	1465	139
15°	1406	397
25°	1297	597
35°	1133	708
45°	917	704
55°	633	568
65°	345	343
75°	116	128
85°	15	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1471.5
2.5°	1471.5
5°	1464.7
7.5°	1460.5
10°	1447.3
12.5°	1425.4
15°	1406.0
17.5°	1384.0
20°	1357.9
22.5°	1331.5
25°	1296.7
27.5°	1259.5
30°	1218.0
32.5°	1178.9
35°	1133.1
37.5°	1085.0
40°	1028.2
42.5°	973.4
45°	917.0
47.5°	853.5
50°	783.8
52.5°	711.6
55°	633.2
57.5°	563.2
60°	484.5
62.5°	414.8
65°	344.8
67.5°	279.3
70°	218.4
72.5°	163.8
75°	115.8
77.5°	74.1
80°	43.6
82.5°	26.1
85°	15.1
87.5°	6.5
90°	0.0



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— 0°-180°







(END OF REPORT)