

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: P844479

Luminaire Tested: **LD6C40DE010B2750 EU6C40B35 6LBMH**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C40DE010B2750 EU6C40B35 6LBMH
Description:
Light Source: -
Ballast/Driver:

Summary

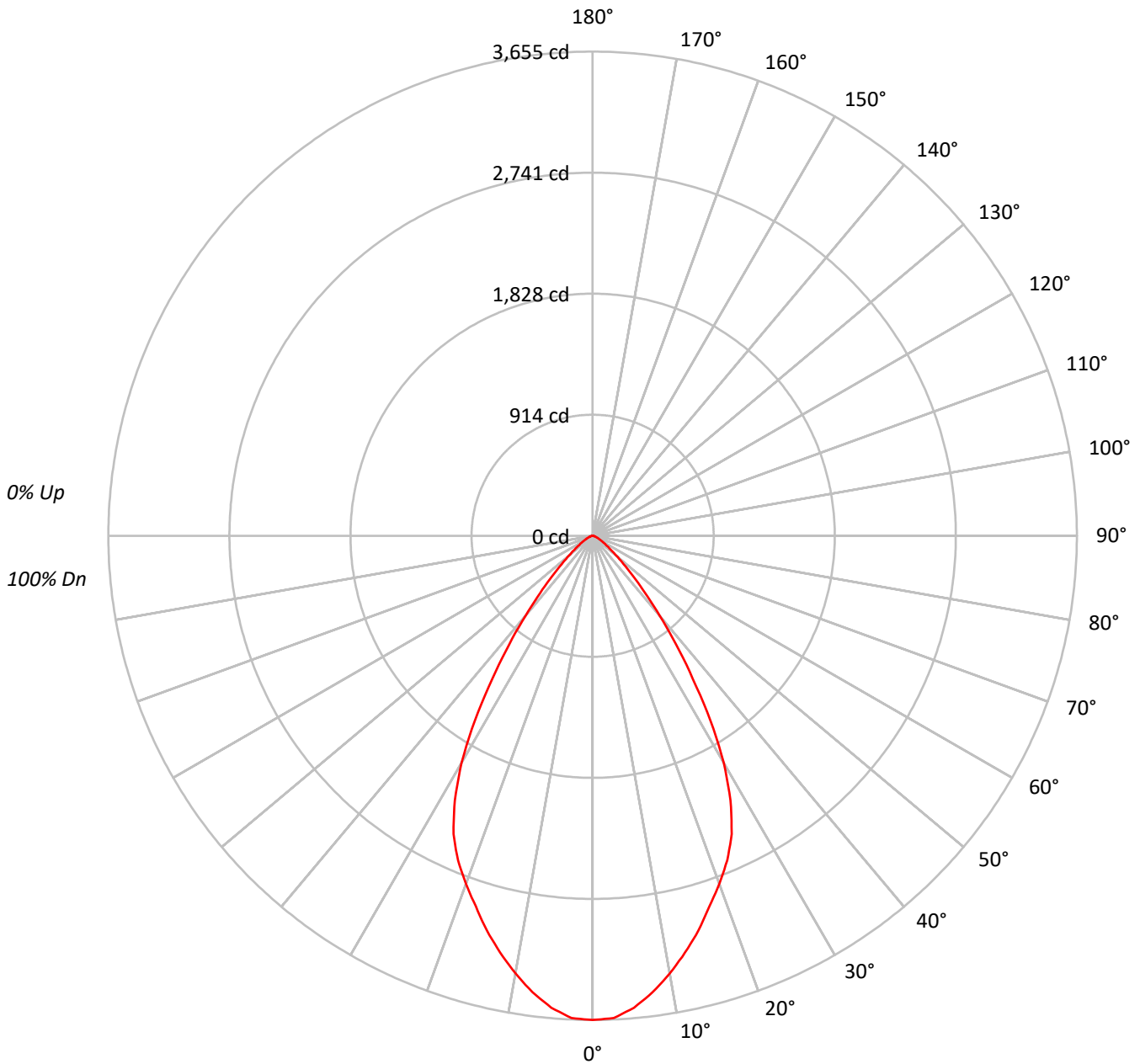
Lumens per Lamp: N/A
Luminaire Lumens: 3693.3 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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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CATALOG NUMBER: LD6C40DE010B2750 EU6C40B35 6LBMH

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			100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92			92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78			78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72			72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66			66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53			53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49			49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46			46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	200373
5°	196786
10°	186731
15°	175103
20°	163073
25°	150257
30°	125196
35°	88245
40°	56234
45°	33538
50°	19803
55°	12597
60°	8673
65°	6161
70°	4231
75°	3368
80°	1642
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.2	9.0
10°-20°	864.5	23.4
20°-30°	1120.2	30.3
30°-40°	831.7	22.5
40°-50°	351.1	9.5
50°-60°	124.7	3.4
60°-70°	48.1	1.3
70°-80°	16.7	0.5
80°-90°	2.1	0.1
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°	2319.0	62.8
0°-40°	3150.6	85.3
0°-60°	3626.4	98.2
0°-90°	3693.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3693.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3655	
5°	3576	334
15°	3085	865
25°	2484	1120
35°	1319	832
45°	433	351
55°	132	125
65°	48	48
75°	16	17
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3655.1
2.5°	3644.4
5°	3576.0
7.5°	3475.6
10°	3354.5
12.5°	3222.5
15°	3085.3
17.5°	2932.5
20°	2795.3
22.5°	2653.0
25°	2484.1
27.5°	2252.0
30°	1977.8
32.5°	1656.0
35°	1318.6
37.5°	1033.7
40°	785.8
42.5°	585.4
45°	432.6
47.5°	316.4
50°	232.2
52.5°	174.0
55°	131.8
57.5°	100.2
60°	79.1
62.5°	58.1
65°	47.5
67.5°	36.8
70°	26.4
72.5°	21.0
75°	15.9
77.5°	10.6
80°	5.2
82.5°	5.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)