

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: P844496

Luminaire Tested: **LD6C40DE010B2750 EU6C40B40 6LBMH**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844496
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 EU6C40B40 6LBMH
Description:
Light Source: -
Ballast/Driver:

Summary

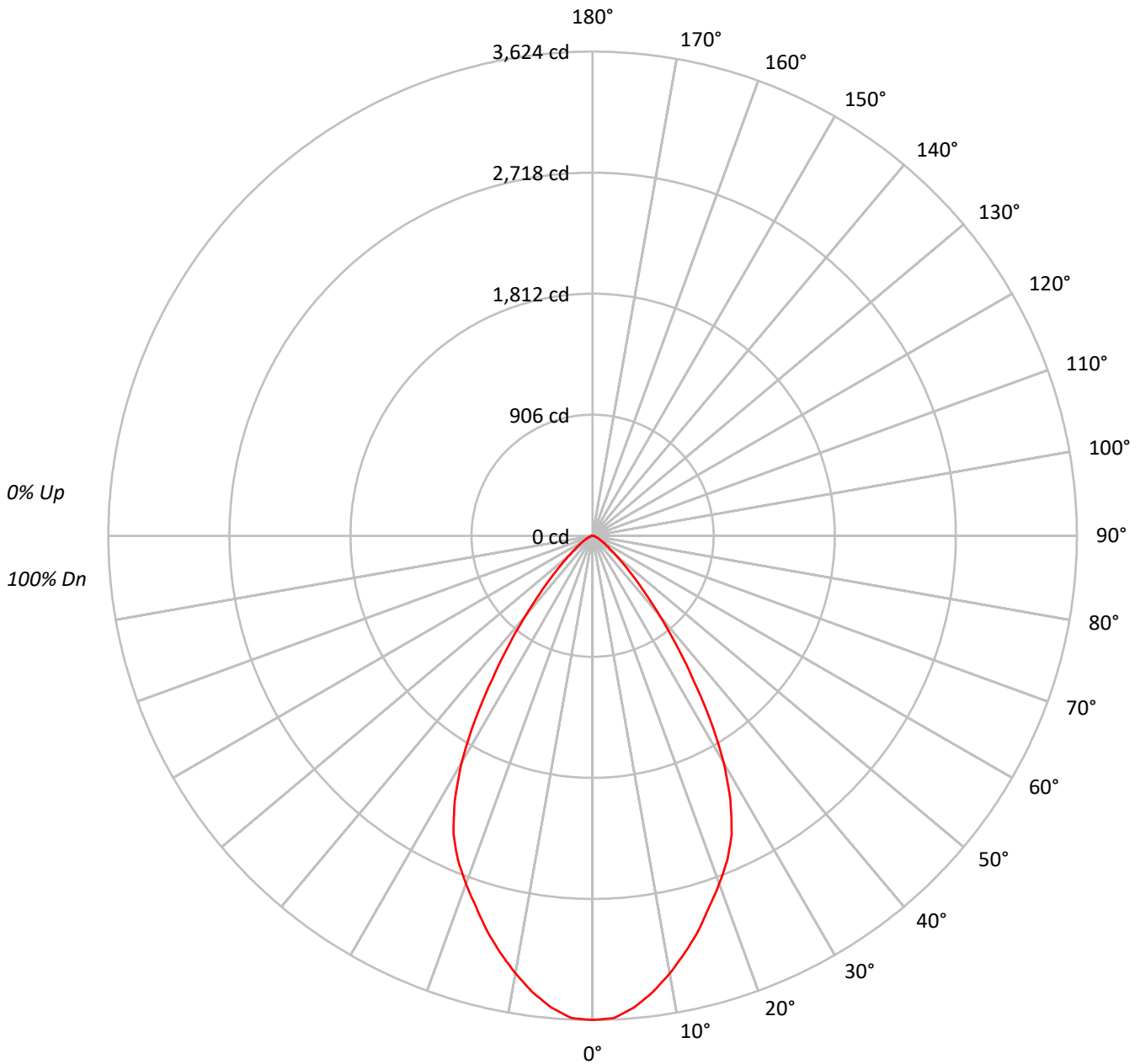
Lumens per Lamp: N/A
Luminaire Lumens: 3661.5 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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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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°	198652
5°	195091
10°	185122
15°	173599
20°	161673
25°	148962
30°	124127
35°	87482
40°	55754
45°	33252
50°	19624
55°	12482
60°	8607
65°	6110
70°	4199
75°	3325
80°	1642
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.3	9.0
10°-20°	857.1	23.4
20°-30°	1110.6	30.3
30°-40°	824.5	22.5
40°-50°	348.1	9.5
50°-60°	123.6	3.4
60°-70°	47.7	1.3
70°-80°	16.5	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°	2299.0	62.8
0°-40°	3123.5	85.3
0°-60°	3595.2	98.2
0°-90°	3661.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3661.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3624	
5°	3545	331
15°	3059	857
25°	2463	1111
35°	1307	825
45°	429	348
55°	131	124
65°	47	48
75°	16	17
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3623.7
2.5°	3613.1
5°	3545.2
7.5°	3445.8
10°	3325.6
12.5°	3194.8
15°	3058.8
17.5°	2907.3
20°	2771.3
22.5°	2630.1
25°	2462.7
27.5°	2232.7
30°	1960.9
32.5°	1641.8
35°	1307.2
37.5°	1024.8
40°	779.1
42.5°	580.3
45°	428.9
47.5°	313.7
50°	230.1
52.5°	172.5
55°	130.6
57.5°	99.3
60°	78.5
62.5°	57.5
65°	47.1
67.5°	36.5
70°	26.2
72.5°	20.8
75°	15.7
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)