

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: P844437

Luminaire Tested: **LD6C40DE010B2750 EU6C40B27 6LBCSMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844437
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: LD6C40DE010B2750 EU6C40B27 6LBCSMB
Description:
Light Source: -
Ballast/Driver:

Summary

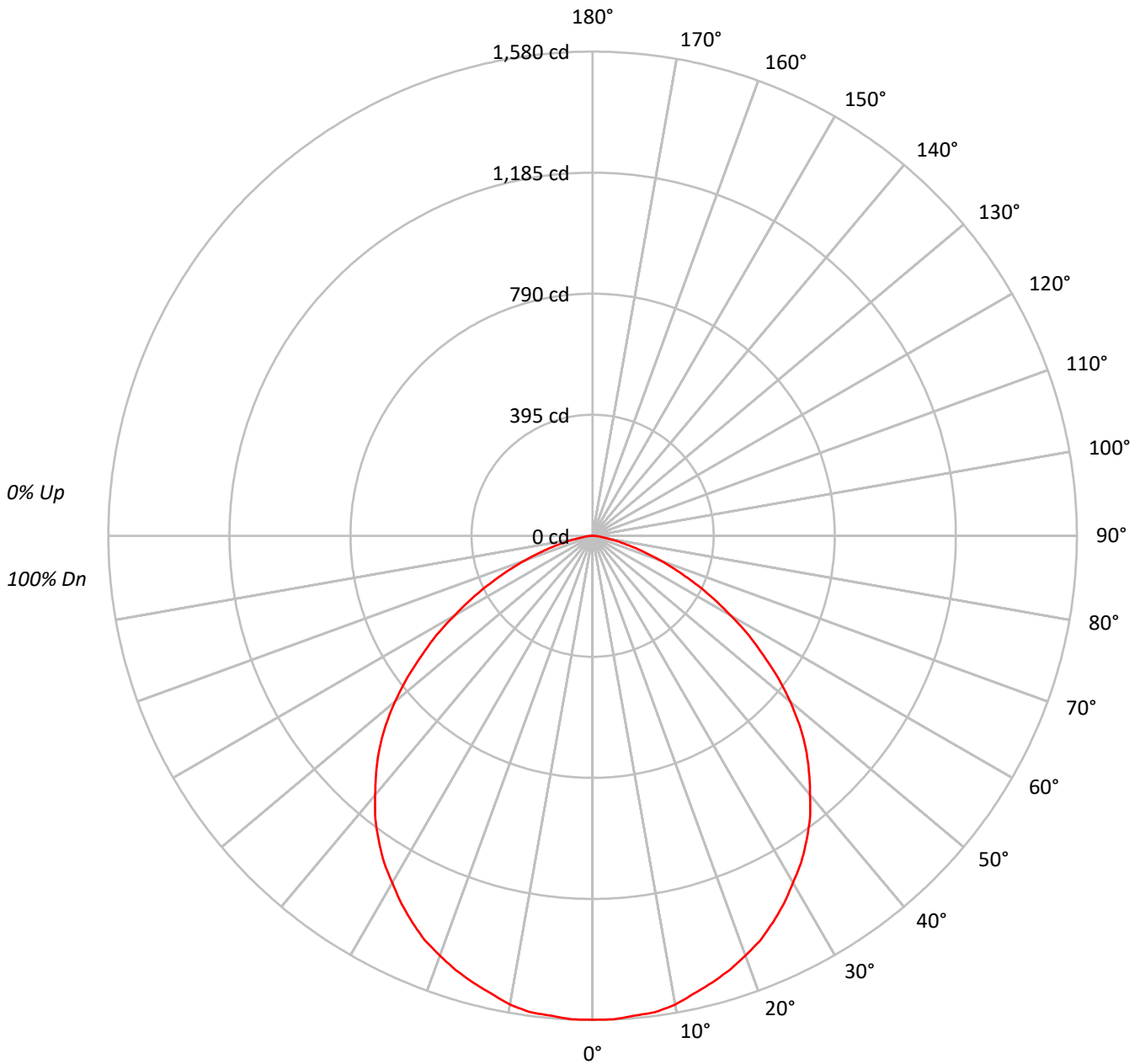
Lumens per Lamp: N/A
Luminaire Lumens: 3866.7 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	86588
5°	86517
10°	86477
15°	85647
20°	85034
25°	84186
30°	82753
35°	81399
40°	78984
45°	76310
50°	71750
55°	64953
60°	57013
65°	48008
70°	37570
75°	26328
80°	14743
85°	10253



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.6	3.9
10°-20°	426.0	11.0
20°-30°	640.8	16.6
30°-40°	759.5	19.6
40°-50°	755.8	19.5
50°-60°	609.2	15.8
60°-70°	368.5	9.5
70°-80°	136.9	3.5
80°-90°	20.3	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°	1216.4	31.5
0°-40°	1976.0	51.1
0°-60°	3341.0	86.4
0°-90°	3866.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3866.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1580	
5°	1572	150
15°	1509	426
25°	1392	641
35°	1216	760
45°	984	756
55°	680	609
65°	370	369
75°	124	137
85°	16	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1579.5
2.5°	1579.5
5°	1572.2
7.5°	1567.7
10°	1553.5
12.5°	1530.0
15°	1509.1
17.5°	1485.7
20°	1457.6
22.5°	1429.2
25°	1391.8
27.5°	1352.0
30°	1307.3
32.5°	1265.5
35°	1216.3
37.5°	1164.7
40°	1103.7
42.5°	1044.9
45°	984.3
47.5°	916.1
50°	841.3
52.5°	763.7
55°	679.6
57.5°	604.5
60°	520.0
62.5°	445.3
65°	370.1
67.5°	299.8
70°	234.4
72.5°	175.9
75°	124.3
77.5°	79.6
80°	46.7
82.5°	28.0
85°	16.3
87.5°	6.9
90°	0.0



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— 0°-180°







(END OF REPORT)