

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: P844454

Luminaire Tested: **LD6C40DE010B2750 EU6C40B30 6LBCSMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844454
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 EU6C40B30 6LBCSMB
Description:
Light Source: -
Ballast/Driver:

Summary

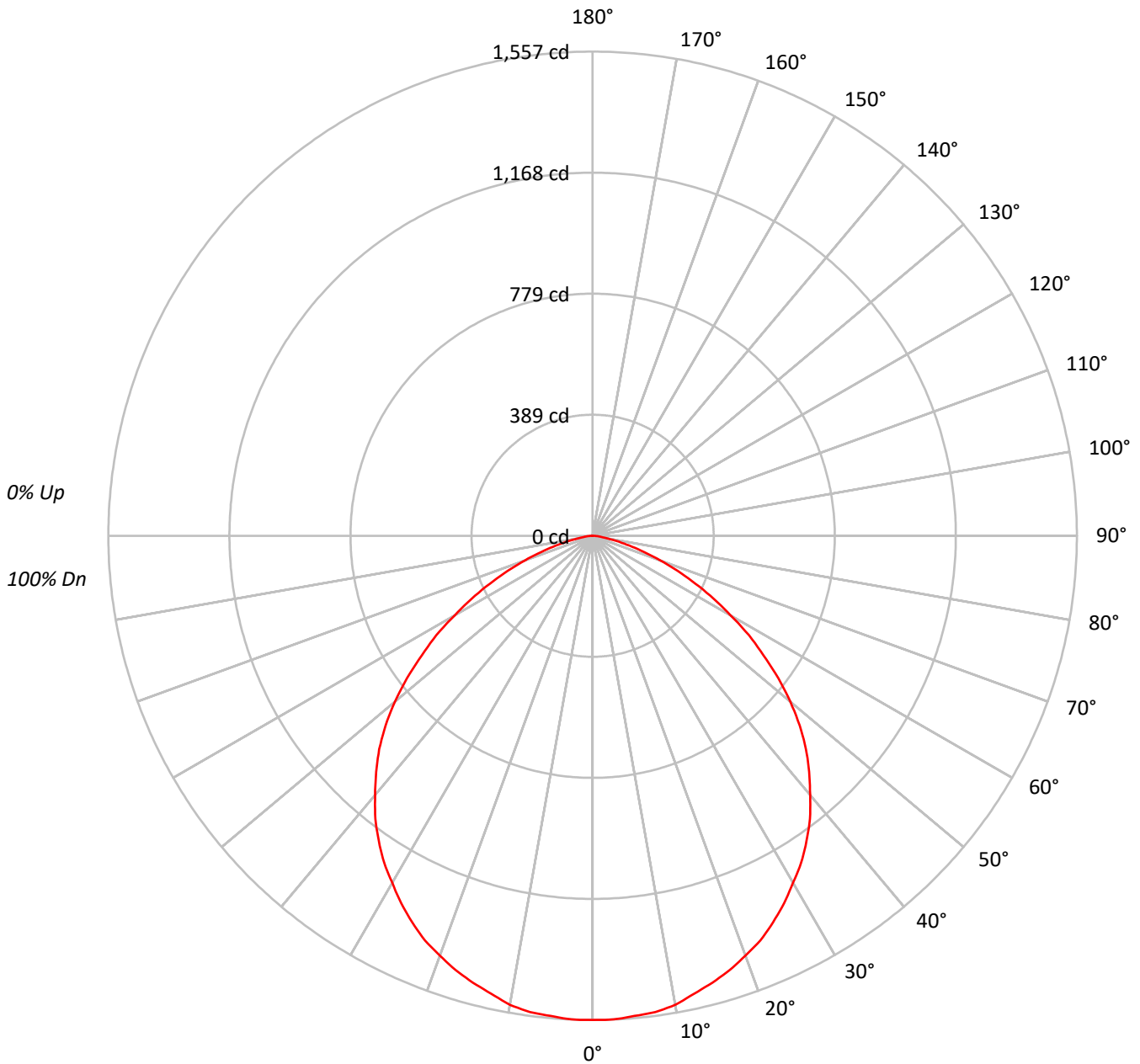
Lumens per Lamp: N/A
Luminaire Lumens: 3811.8 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	85355
5°	85290
10°	85252
15°	84433
20°	83826
25°	82995
30°	81576
35°	80234
40°	77867
45°	75225
50°	70735
55°	64036
60°	56202
65°	47333
70°	37042
75°	25947
80°	14554
85°	10127



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.5	3.9
10°-20°	420.0	11.0
20°-30°	631.7	16.6
30°-40°	748.7	19.6
40°-50°	745.0	19.5
50°-60°	600.6	15.8
60°-70°	363.3	9.5
70°-80°	134.9	3.5
80°-90°	20.0	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°	1199.1	31.5
0°-40°	1947.9	51.1
0°-60°	3293.5	86.4
0°-90°	3811.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3811.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1557	
5°	1550	148
15°	1488	420
25°	1372	632
35°	1199	749
45°	970	745
55°	670	601
65°	365	363
75°	122	135
85°	16	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1557.0
2.5°	1557.0
5°	1549.9
7.5°	1545.4
10°	1531.5
12.5°	1508.2
15°	1487.7
17.5°	1464.5
20°	1436.9
22.5°	1408.9
25°	1372.1
27.5°	1332.7
30°	1288.7
32.5°	1247.5
35°	1198.9
37.5°	1148.2
40°	1088.1
42.5°	1030.0
45°	970.3
47.5°	903.1
50°	829.4
52.5°	752.9
55°	670.0
57.5°	595.9
60°	512.6
62.5°	438.9
65°	364.9
67.5°	295.6
70°	231.1
72.5°	173.3
75°	122.5
77.5°	78.5
80°	46.1
82.5°	27.6
85°	16.1
87.5°	6.9
90°	0.0



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— 0°-180°







(END OF REPORT)