

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: P844439

Luminaire Tested: **LD6C40DE010B2750 EU6C40B27 6LBCSMW**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844439
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 6LBSCMW
Description:
Light Source: -
Ballast/Driver:

Summary

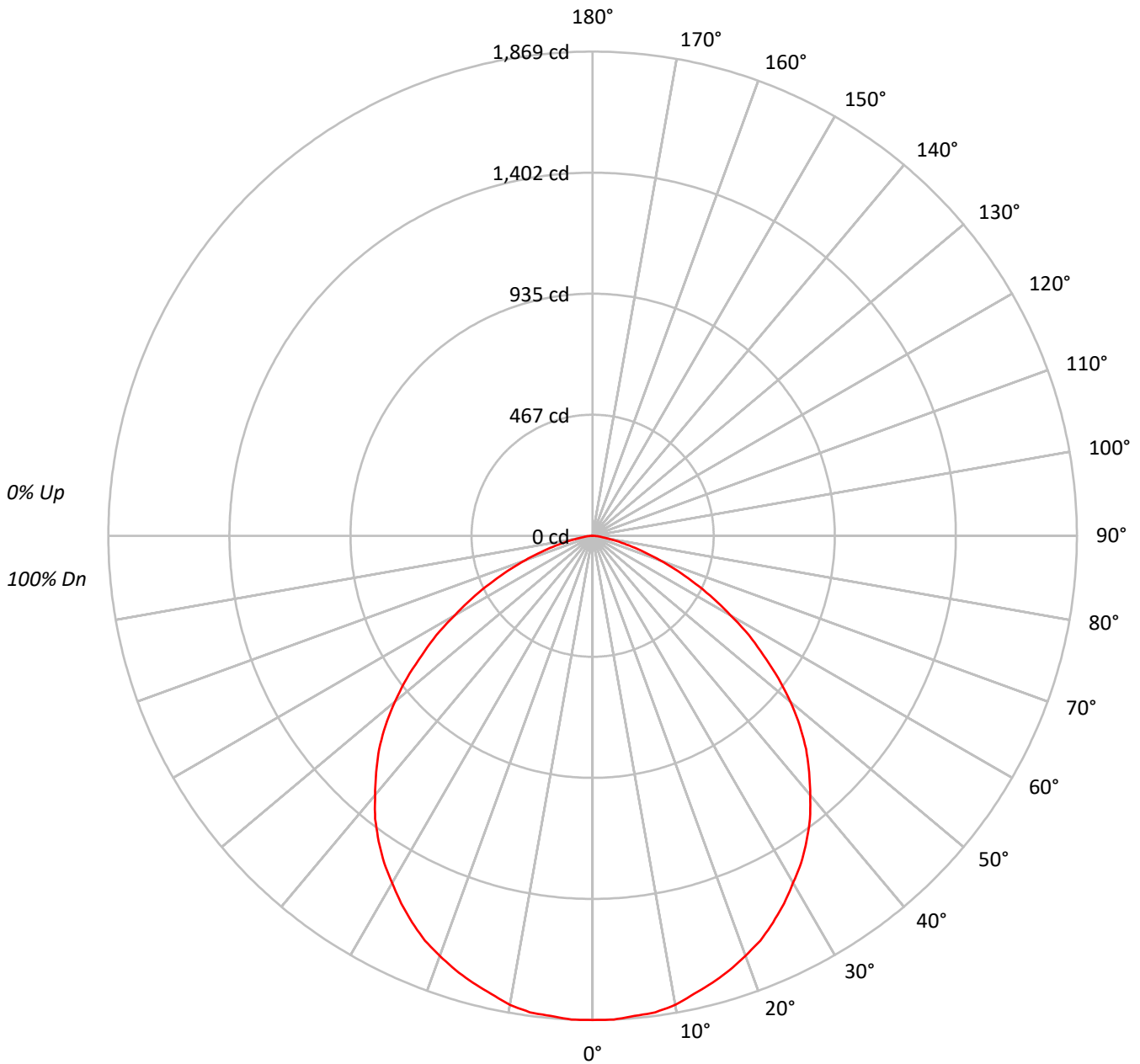
Lumens per Lamp: N/A
Luminaire Lumens: 4576.3 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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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CATALOG NUMBER: LD6C40DE010B2750 EU6C40B27 6LBCSMW

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	102481
5°	102394
10°	102347
15°	101368
20°	100640
25°	99641
30°	97945
35°	96336
40°	93482
45°	90319
50°	84927
55°	76872
60°	67473
65°	56828
70°	44463
75°	31157
80°	17458
85°	12077



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.1	3.9
10°-20°	504.2	11.0
20°-30°	758.4	16.6
30°-40°	898.9	19.6
40°-50°	894.5	19.5
50°-60°	721.1	15.8
60°-70°	436.1	9.5
70°-80°	162.0	3.5
80°-90°	24.0	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°	1439.7	31.5
0°-40°	2338.6	51.1
0°-60°	3954.2	86.4
0°-90°	4576.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4576.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1869	
5°	1861	177
15°	1786	504
25°	1647	758
35°	1440	899
45°	1165	895
55°	804	721
65°	438	436
75°	147	162
85°	19	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1869.4
2.5°	1869.4
5°	1860.7
7.5°	1855.4
10°	1838.6
12.5°	1810.8
15°	1786.1
17.5°	1758.3
20°	1725.1
22.5°	1691.5
25°	1647.3
27.5°	1600.1
30°	1547.3
32.5°	1497.7
35°	1439.5
37.5°	1378.4
40°	1306.3
42.5°	1236.7
45°	1165.0
47.5°	1084.3
50°	995.8
52.5°	904.0
55°	804.3
57.5°	715.5
60°	615.4
62.5°	526.9
65°	438.1
67.5°	354.8
70°	277.4
72.5°	208.1
75°	147.1
77.5°	94.2
80°	55.3
82.5°	33.2
85°	19.2
87.5°	8.1
90°	0.0



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— 0°-180°







(END OF REPORT)