

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: P844192

Luminaire Tested: **LD6C25DE010B2750 EU6C25B27 6LBMMW**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844192
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203577)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C25DE010B2750 EU6C25B27 6LBMMW
Description:
Light Source: -
Ballast/Driver:

Summary

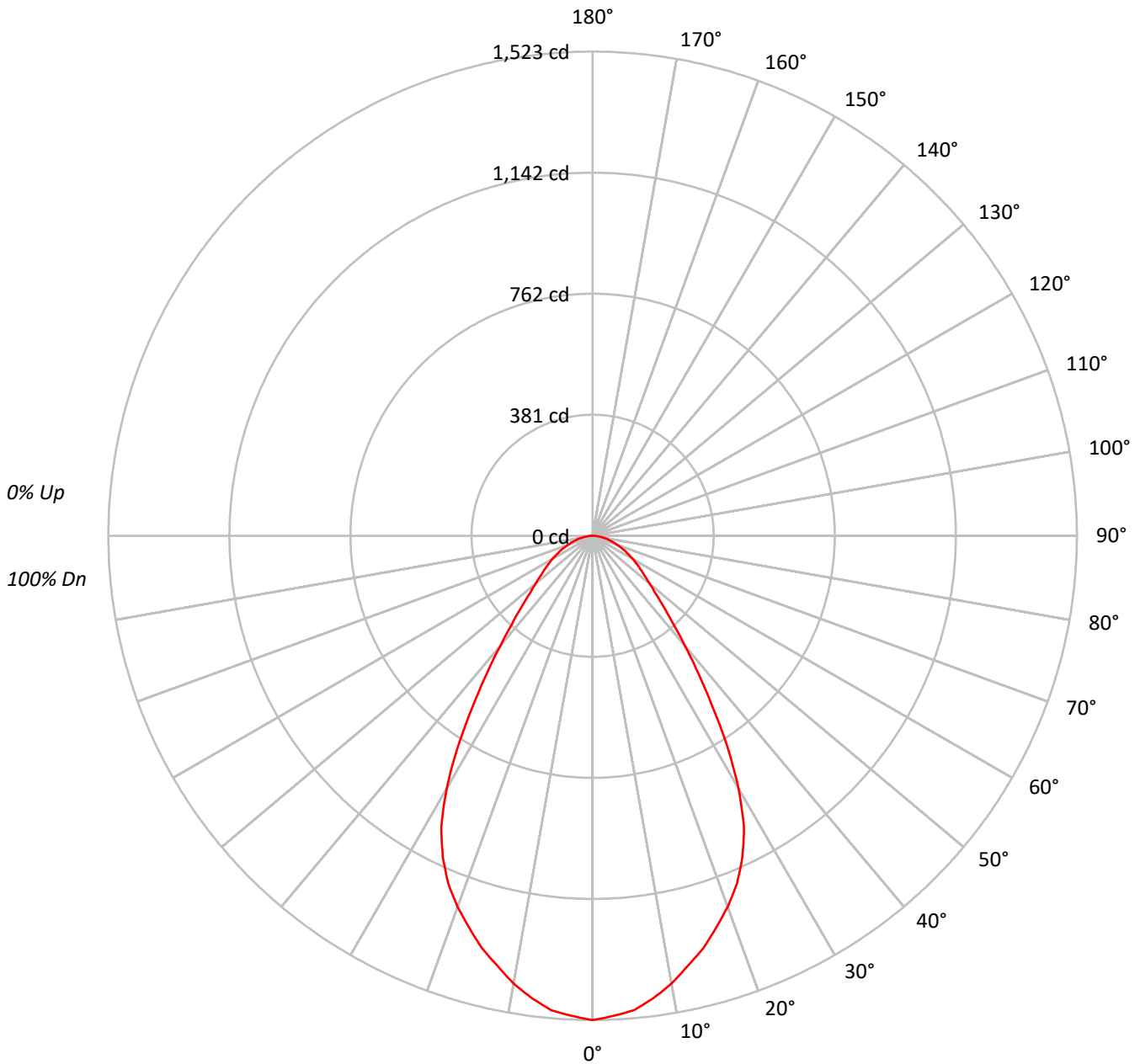
Lumens per Lamp: N/A
Luminaire Lumens: 2041.3 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 29.8
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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			48
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83497
5°	82418
10°	79613
15°	76221
20°	72433
25°	67437
30°	58098
35°	44089
40°	32232
45°	24444
50°	19931
55°	17490
60°	16051
65°	14606
70°	13079
75°	11925
80°	10671
85°	8869



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.7	6.9
10°-20°	376.9	18.5
20°-30°	506.1	24.8
30°-40°	415.1	20.3
40°-50°	249.3	12.2
50°-60°	165.6	8.1
60°-70°	111.0	5.4
70°-80°	59.8	2.9
80°-90°	16.8	0.8
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°	1023.6	50.1
0°-40°	1438.7	70.5
0°-60°	1853.6	90.8
0°-90°	2041.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2041.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1523	
5°	1498	141
15°	1343	377
25°	1115	506
35°	659	415
45°	315	249
55°	183	166
65°	113	111
75°	56	60
85°	14	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1523.1
2.5°	1511.8
5°	1497.7
7.5°	1466.8
10°	1430.2
12.5°	1385.1
15°	1343.0
17.5°	1292.2
20°	1241.6
22.5°	1185.3
25°	1114.9
27.5°	1030.5
30°	917.8
32.5°	791.1
35°	658.8
37.5°	546.2
40°	450.4
42.5°	374.5
45°	315.3
47.5°	267.5
50°	233.7
52.5°	205.5
55°	183.0
57.5°	163.3
60°	146.4
62.5°	126.7
65°	112.6
67.5°	95.7
70°	81.6
72.5°	67.6
75°	56.3
77.5°	45.1
80°	33.8
82.5°	25.3
85°	14.1
87.5°	5.6
90°	0.0



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— 0°-180°







(END OF REPORT)