

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: P843857

Luminaire Tested: **LD6C08DE010B2750 EU6C08B27 6LBWH**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P843857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C08DE010B2750 EU6C08B27 6LBWH
Description:
Light Source: -
Ballast/Driver:

Summary

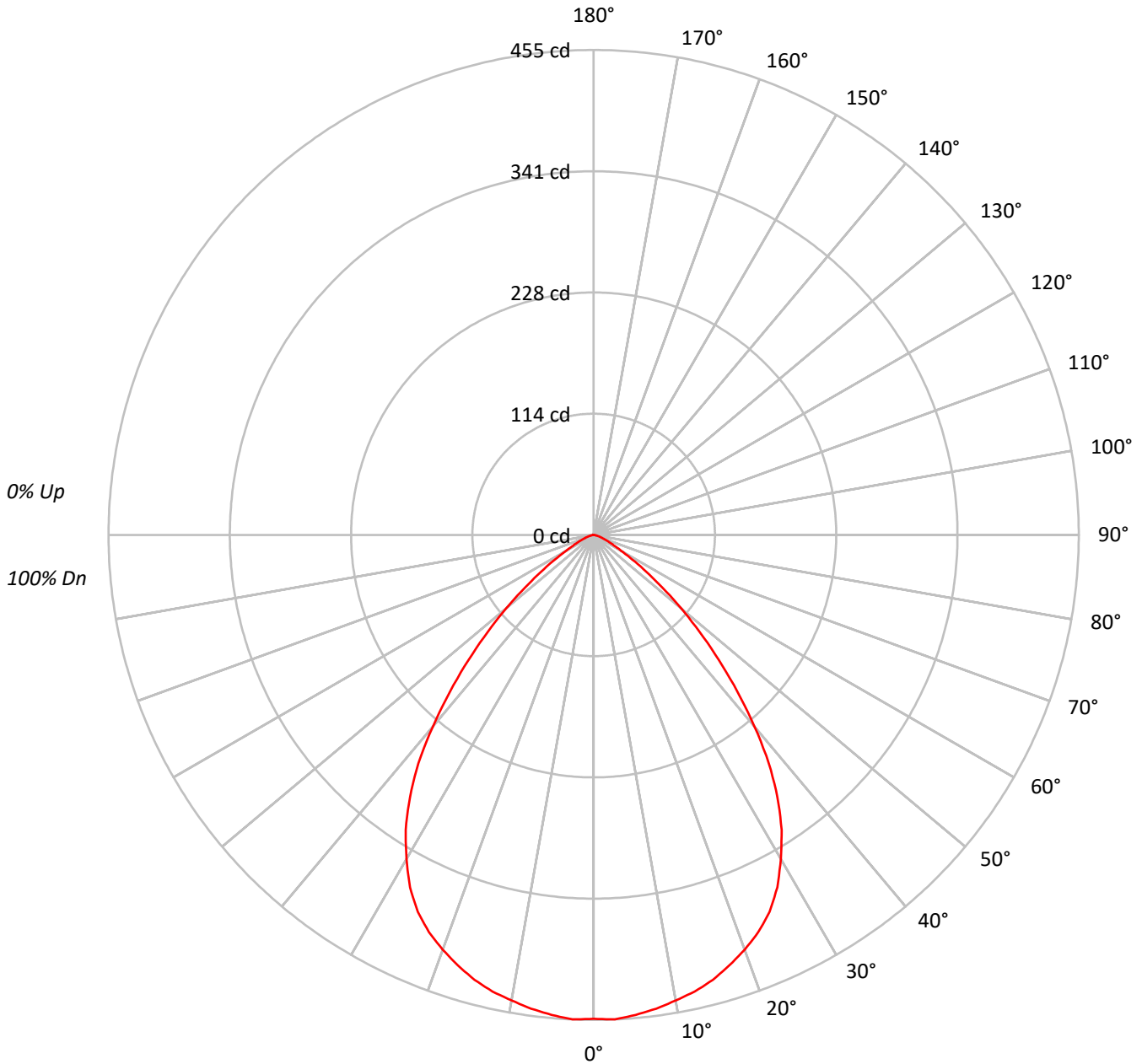
Lumens per Lamp: N/A
Luminaire Lumens: 736.1 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			65
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			49
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	47	43	53	47	43	52	47	42	51	46	42	41			41
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	24888
5°	24879
10°	24688
15°	24523
20°	24152
25°	23602
30°	22219
35°	20110
40°	16789
45°	12862
50°	9108
55°	5744
60°	3234
65°	2101
70°	1378
75°	1017
80°	600
85°	629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	5.8
10°-20°	121.7	16.5
20°-30°	178.4	24.2
30°-40°	185.7	25.2
40°-50°	128.4	17.4
50°-60°	55.9	7.6
60°-70°	17.1	2.3
70°-80°	5.2	0.7
80°-90°	0.8	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°	343.0	46.6
0°-40°	528.6	71.8
0°-60°	713.0	96.9
0°-90°	736.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	736.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	454	
5°	452	43
15°	432	122
25°	390	178
35°	300	186
45°	166	128
55°	60	56
65°	16	17
75°	5	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	454.0
2.5°	455.0
5°	452.1
7.5°	448.3
10°	443.5
12.5°	438.7
15°	432.1
17.5°	423.5
20°	414.0
22.5°	403.5
25°	390.2
27.5°	372.9
30°	351.0
32.5°	328.1
35°	300.5
37.5°	269.9
40°	234.6
42.5°	199.4
45°	165.9
47.5°	134.4
50°	106.8
52.5°	81.1
55°	60.1
57.5°	42.9
60°	29.5
62.5°	21.9
65°	16.2
67.5°	12.4
70°	8.6
72.5°	6.7
75°	4.8
77.5°	2.9
80°	1.9
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)