

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: P844148

Luminaire Tested: **LD6C20DE010B2750 EU6C20B40 6LBCSMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844148
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: LD6C20DE010B2750 EU6C20B40 6LBCSMB
Description:
Light Source: -
Ballast/Driver:

Summary

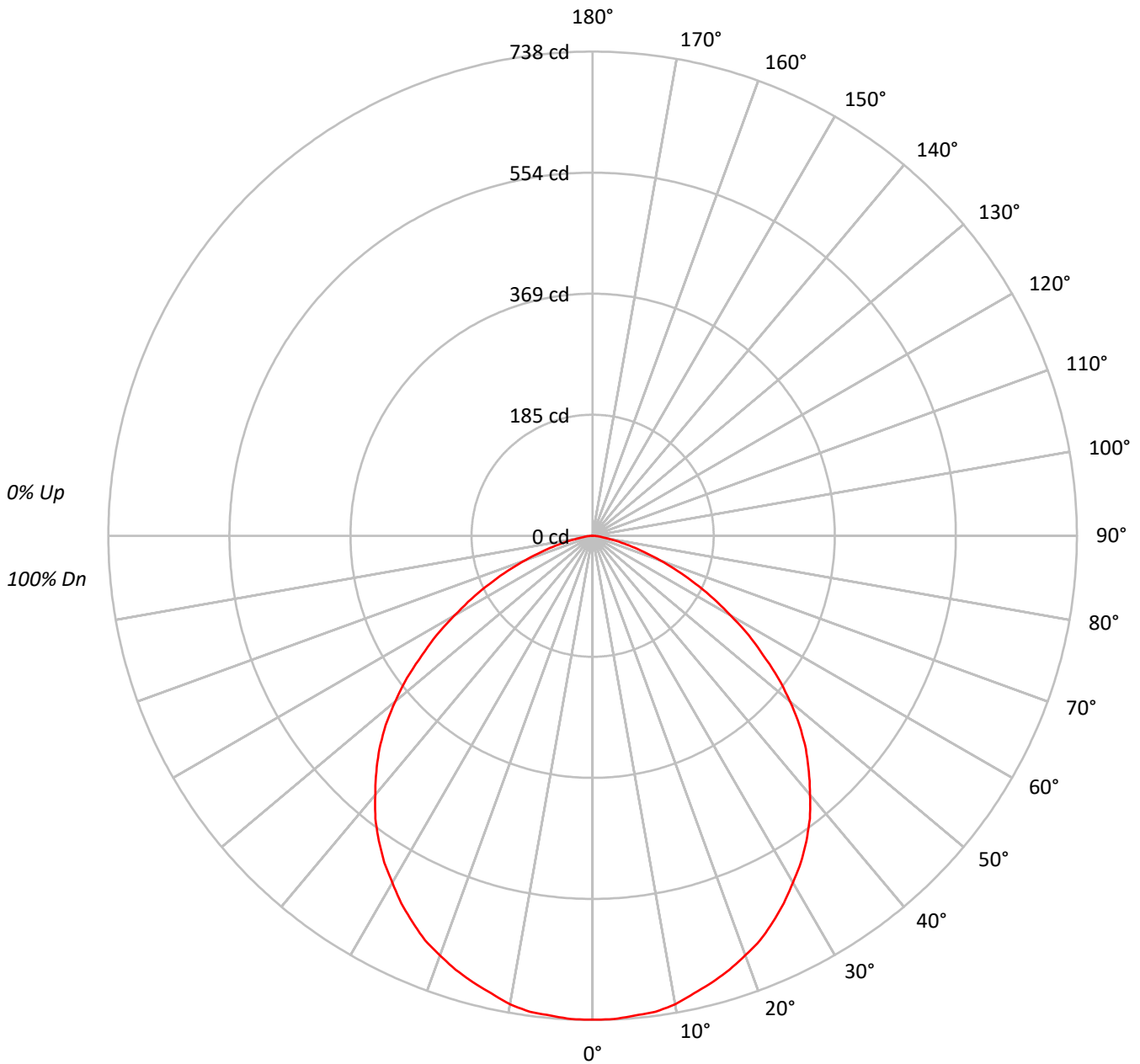
Lumens per Lamp: N/A
Luminaire Lumens: 1805.4 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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°	40430
5°	40397
10°	40374
15°	39989
20°	39705
25°	39305
30°	38639
35°	37999
40°	36883
45°	35624
50°	33500
55°	30326
60°	26621
65°	22415
70°	17551
75°	12306
80°	6882
85°	4780



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	3.9
10°-20°	198.9	11.0
20°-30°	299.2	16.6
30°-40°	354.6	19.6
40°-50°	352.9	19.5
50°-60°	284.5	15.8
60°-70°	172.1	9.5
70°-80°	63.9	3.5
80°-90°	9.5	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°	568.0	31.5
0°-40°	922.6	51.1
0°-60°	1559.9	86.4
0°-90°	1805.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1805.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	738	
5°	734	70
15°	705	199
25°	650	299
35°	568	355
45°	460	353
55°	317	284
65°	173	172
75°	58	64
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	737.5
2.5°	737.5
5°	734.1
7.5°	732.0
10°	725.3
12.5°	714.3
15°	704.6
17.5°	693.7
20°	680.6
22.5°	667.3
25°	649.8
27.5°	631.3
30°	610.4
32.5°	590.8
35°	567.8
37.5°	543.8
40°	515.4
42.5°	487.9
45°	459.5
47.5°	427.7
50°	392.8
52.5°	356.6
55°	317.3
57.5°	282.3
60°	242.8
62.5°	207.9
65°	172.8
67.5°	140.0
70°	109.5
72.5°	82.1
75°	58.1
77.5°	37.2
80°	21.8
82.5°	13.1
85°	7.6
87.5°	3.3
90°	0.0



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— 0°-180°







(END OF REPORT)