

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: P844132

Luminaire Tested: **LD6C20DE010B2750 EU6C20B35 6LBCSMMS**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844132
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 EU6C20B35 6LBCSMMS
Description:
Light Source: -
Ballast/Driver:

Summary

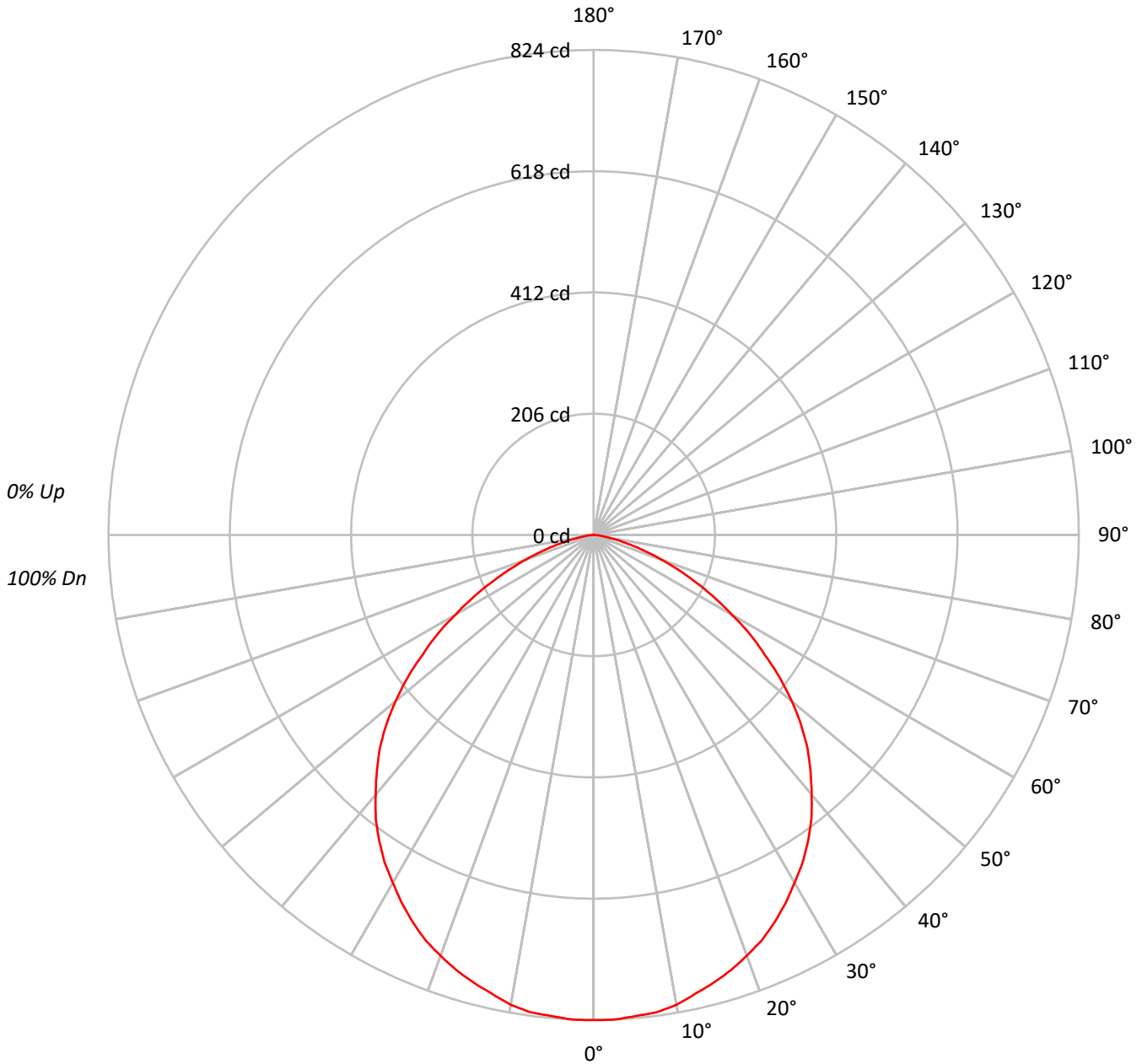
Lumens per Lamp: N/A
Luminaire Lumens: 2017.9 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				
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			
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°	45188
5°	45152
10°	45134
15°	44699
20°	44378
25°	43938
30°	43190
35°	42483
40°	41220
45°	39826
50°	37440
55°	33901
60°	29756
65°	25048
70°	19619
75°	13725
80°	7703
85°	5346



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	3.9
10°-20°	222.3	11.0
20°-30°	334.4	16.6
30°-40°	396.4	19.6
40°-50°	394.4	19.5
50°-60°	318.0	15.8
60°-70°	192.3	9.5
70°-80°	71.4	3.5
80°-90°	10.6	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°	634.8	31.5
0°-40°	1031.2	51.1
0°-60°	1743.6	86.4
0°-90°	2017.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2017.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	824	
5°	820	78
15°	788	222
25°	726	334
35°	635	396
45°	514	394
55°	355	318
65°	193	192
75°	65	71
85°	8	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	824.3
2.5°	824.3
5°	820.5
7.5°	818.2
10°	810.8
12.5°	798.4
15°	787.6
17.5°	775.4
20°	760.7
22.5°	745.8
25°	726.4
27.5°	705.5
30°	682.3
32.5°	660.4
35°	634.8
37.5°	607.8
40°	576.0
42.5°	545.3
45°	513.7
47.5°	478.1
50°	439.0
52.5°	398.6
55°	354.7
57.5°	315.5
60°	271.4
62.5°	232.4
65°	193.1
67.5°	156.4
70°	122.4
72.5°	91.8
75°	64.8
77.5°	41.6
80°	24.4
82.5°	14.6
85°	8.5
87.5°	3.6
90°	0.0



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— 0°-180°







(END OF REPORT)