

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: P844114

Luminaire Tested: **LD6C20DE010B2750 EU6C20B30 6LBCSMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844114
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 EU6C20B30 6LBCSMB
Description:
Light Source: -
Ballast/Driver:

Summary

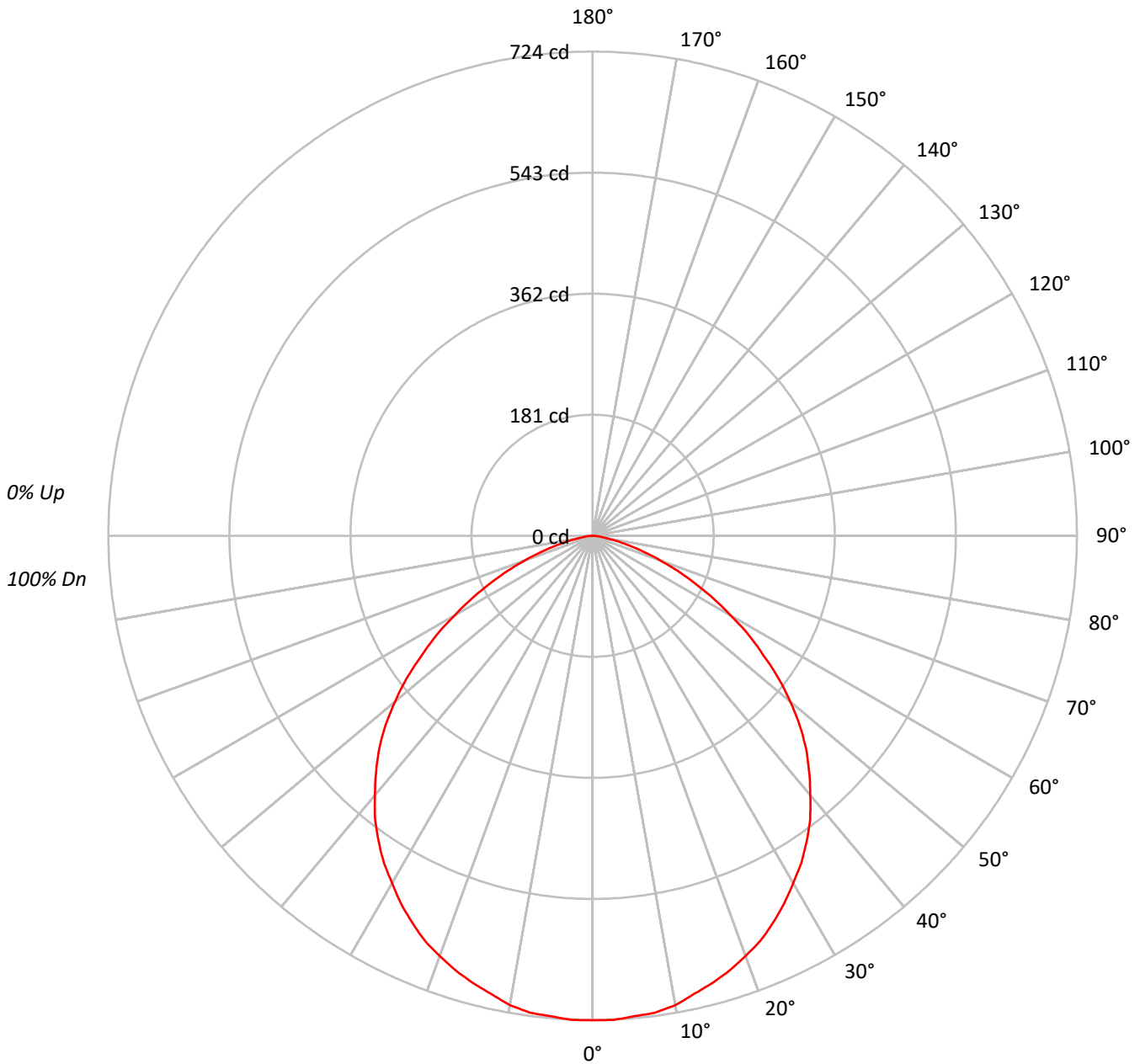
Lumens per Lamp: N/A
Luminaire Lumens: 1773.7 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	39717
5°	39687
10°	39667
15°	39285
20°	39005
25°	38615
30°	37962
35°	37336
40°	36232
45°	35004
50°	32911
55°	29801
60°	26149
65°	22026
70°	17246
75°	12073
80°	6787
85°	4717



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	3.9
10°-20°	195.4	11.0
20°-30°	293.9	16.6
30°-40°	348.4	19.6
40°-50°	346.7	19.5
50°-60°	279.5	15.8
60°-70°	169.0	9.5
70°-80°	62.8	3.5
80°-90°	9.3	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°	558.0	31.5
0°-40°	906.3	51.1
0°-60°	1532.5	86.4
0°-90°	1773.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1773.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	724	
5°	721	69
15°	692	195
25°	638	294
35°	558	348
45°	452	347
55°	312	279
65°	170	169
75°	57	63
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	724.5
2.5°	724.5
5°	721.2
7.5°	719.1
10°	712.6
12.5°	701.7
15°	692.2
17.5°	681.4
20°	668.6
22.5°	655.5
25°	638.4
27.5°	620.2
30°	599.7
32.5°	580.4
35°	557.9
37.5°	534.2
40°	506.3
42.5°	479.3
45°	451.5
47.5°	420.2
50°	385.9
52.5°	350.3
55°	311.8
57.5°	277.3
60°	238.5
62.5°	204.2
65°	169.8
67.5°	137.5
70°	107.6
72.5°	80.7
75°	57.0
77.5°	36.5
80°	21.5
82.5°	12.9
85°	7.5
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)