

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: P844146

Luminaire Tested: **LD6C20DE010B2750 EU6C20B35 6LBWH**

Issue Date: 2/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P844146  
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: LD6C20DE010B2750 EU6C20B35 6LBWH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

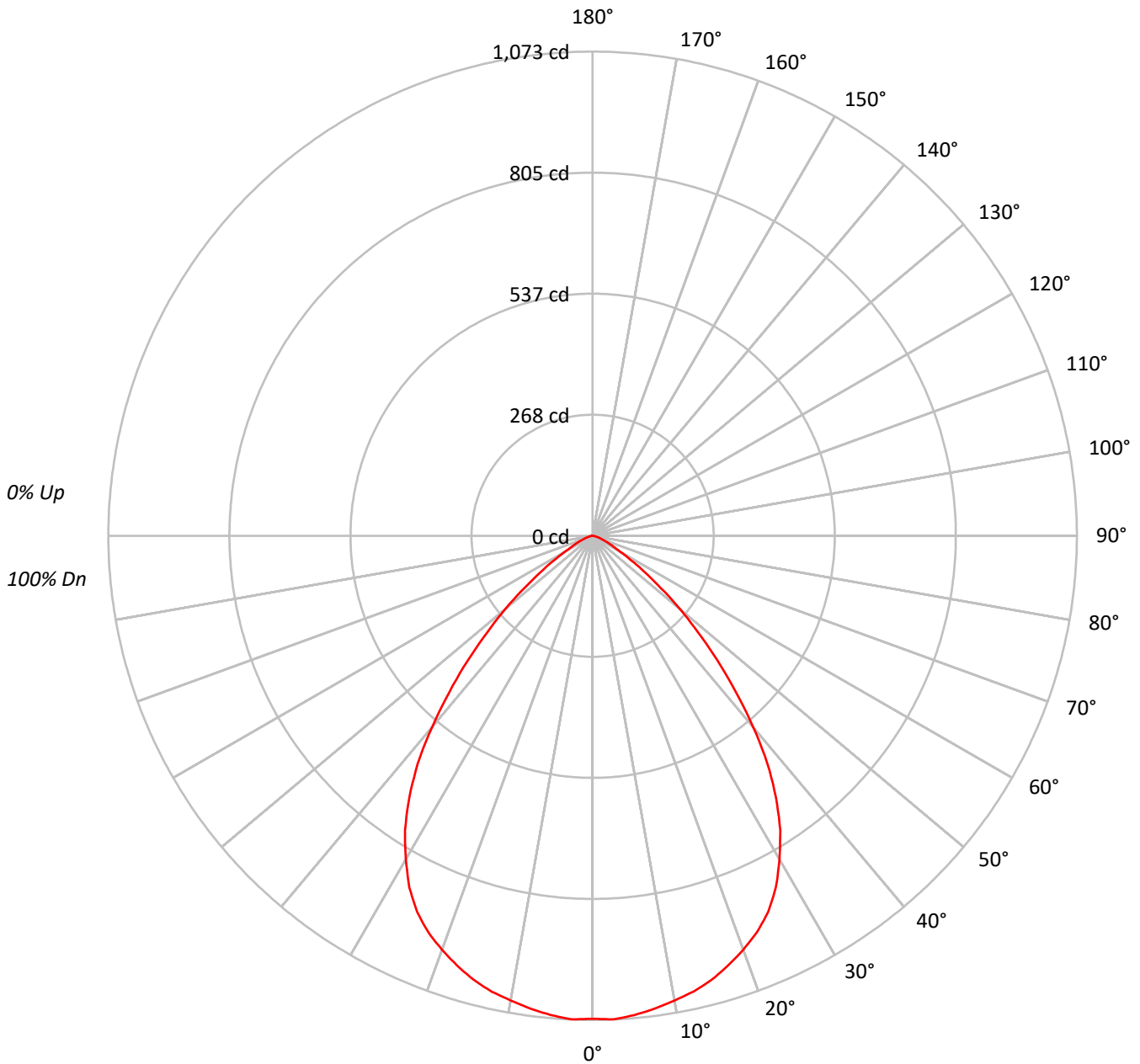
Lumens per Lamp: N/A  
Luminaire Lumens: 1735.5 lumens  
Efficiency: N/A  
Efficacy: 79.6 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 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			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°	58680
5°	58662
10°	58210
15°	57821
20°	56938
25°	55636
30°	52388
35°	47408
40°	39588
45°	30336
50°	21483
55°	13543
60°	7642
65°	4968
70°	3238
75°	2372
80°	1421
85°	1384



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.1	5.8
10°-20°	286.9	16.5
20°-30°	420.6	24.2
30°-40°	437.8	25.2
40°-50°	302.9	17.5
50°-60°	131.9	7.6
60°-70°	40.5	2.3
70°-80°	12.1	0.7
80°-90°	1.8	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°	808.6	46.6
0°-40°	1246.4	71.8
0°-60°	1681.2	96.9
0°-90°	1735.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1735.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1070	
5°	1066	101
15°	1019	287
25°	920	421
35°	708	438
45°	391	303
55°	142	132
65°	38	40
75°	11	12
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1070.4
2.5°	1072.7
5°	1066.0
7.5°	1057.0
10°	1045.7
12.5°	1034.5
15°	1018.8
17.5°	998.5
20°	976.0
22.5°	951.2
25°	919.8
27.5°	879.3
30°	827.6
32.5°	773.6
35°	708.4
37.5°	636.5
40°	553.2
42.5°	470.0
45°	391.3
47.5°	317.1
50°	251.9
52.5°	191.2
55°	141.7
57.5°	101.2
60°	69.7
62.5°	51.7
65°	38.3
67.5°	29.3
70°	20.2
72.5°	15.8
75°	11.2
77.5°	6.7
80°	4.5
82.5°	2.2
85°	2.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)