

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: P844486

Luminaire Tested: **LD6C40DE010B2750 EU6C40B35 6LBWH**

Issue Date: 2/17/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P844486  
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: LD6C40DE010B2750 EU6C40B35 6LBWH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

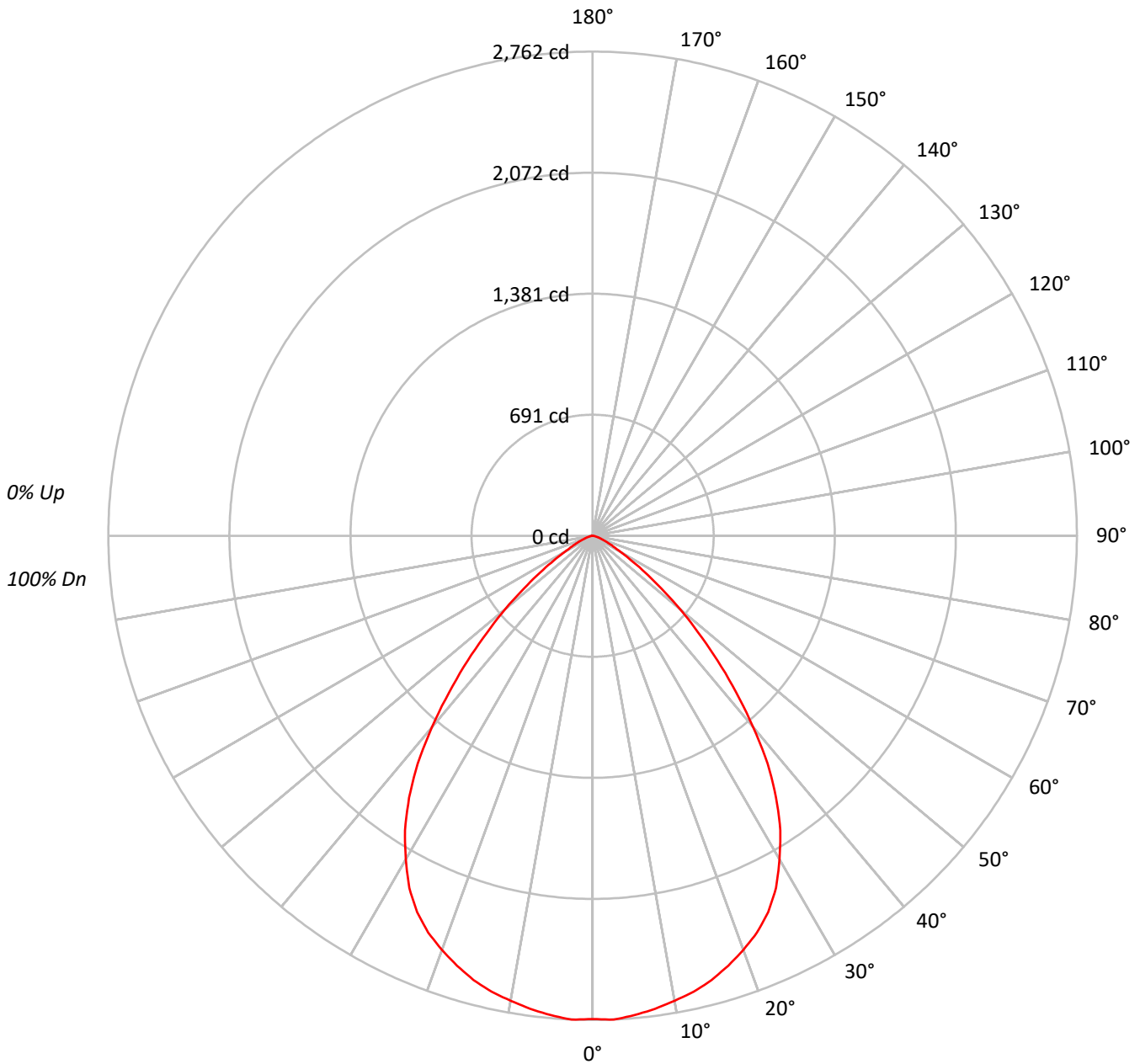
Lumens per Lamp: N/A  
Luminaire Lumens: 4469.6 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 49.8  
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°	151117
5°	151067
10°	149903
15°	148906
20°	146634
25°	143282
30°	134907
35°	122094
40°	101948
45°	78117
50°	55333
55°	34885
60°	19680
65°	12777
70°	8335
75°	6142
80°	3662
85°	3648



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.4	5.8
10°-20°	738.8	16.5
20°-30°	1083.3	24.2
30°-40°	1127.4	25.2
40°-50°	780.0	17.5
50°-60°	339.6	7.6
60°-70°	104.2	2.3
70°-80°	31.2	0.7
80°-90°	4.7	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°	2082.4	46.6
0°-40°	3209.8	71.8
0°-60°	4329.4	96.9
0°-90°	4469.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4469.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2757	
5°	2745	260
15°	2624	739
25°	2369	1083
35°	1824	1127
45°	1008	780
55°	365	340
65°	98	104
75°	29	31
85°	6	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2756.6
2.5°	2762.5
5°	2745.2
7.5°	2722.1
10°	2692.9
12.5°	2664.0
15°	2623.7
17.5°	2571.3
20°	2513.5
22.5°	2449.8
25°	2368.8
27.5°	2264.5
30°	2131.2
32.5°	1992.2
35°	1824.4
37.5°	1639.1
40°	1424.6
42.5°	1210.5
45°	1007.6
47.5°	816.5
50°	648.8
52.5°	492.3
55°	365.0
57.5°	260.7
60°	179.5
62.5°	133.3
65°	98.5
67.5°	75.4
70°	52.0
72.5°	40.6
75°	29.0
77.5°	17.2
80°	11.6
82.5°	5.8
85°	5.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)