

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: P844487

Luminaire Tested: **LD6C40DE010B2750 EU6C40B35 6LBWLI**

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-08
Report Number: P844487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205209)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C40DE010B2750 EU6C40B35 6LBWLI
Description:
Light Source: -
Ballast/Driver:

Summary

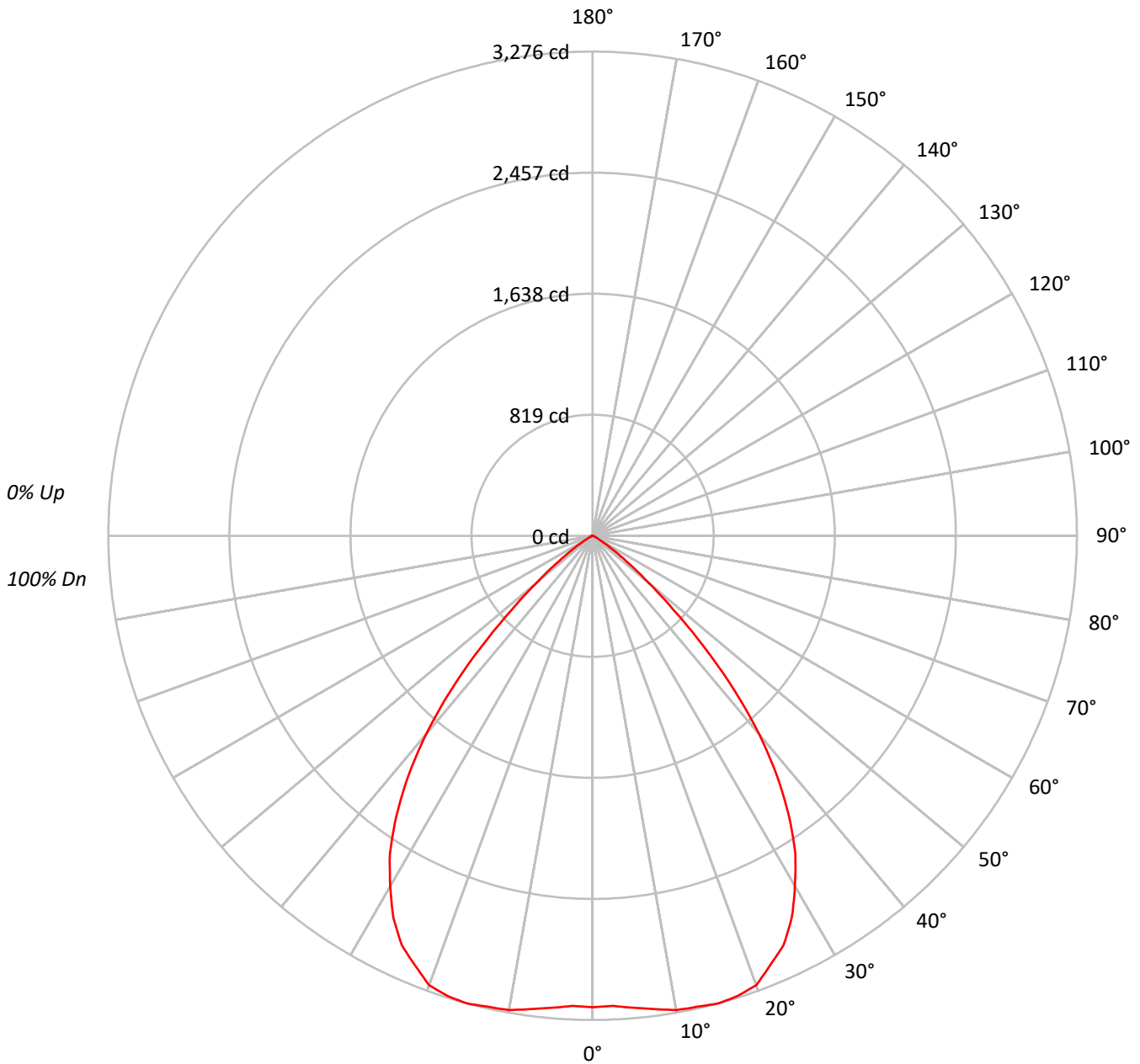
Lumens per Lamp: N/A
Luminaire Lumens: 5105.1 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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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CATALOG NUMBER: LD6C40DE010B2750 EU6C40B35 6LBWLI

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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92				92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83				83
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76				76
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69				69
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63				63
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57				57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52				52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48				48
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44				44
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41				41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	174843
5°	176458
10°	181398
15°	185932
20°	188754
25°	184855
30°	173311
35°	154954
40°	125507
45°	83024
50°	41960
55°	17710
60°	5701
65°	2231
70°	1859
75°	1228
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.7	6.0
10°-20°	924.8	18.1
20°-30°	1394.0	27.3
30°-40°	1426.9	27.9
40°-50°	831.2	16.3
50°-60°	191.0	3.7
60°-70°	23.4	0.5
70°-80°	6.1	0.1
80°-90°	0.0	0.0
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°	2626.5	51.4
0°-40°	4053.4	79.4
0°-60°	5075.6	99.4
0°-90°	5105.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5105.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3189	
5°	3207	308
15°	3276	925
25°	3056	1394
35°	2315	1427
45°	1071	831
55°	185	191
65°	17	23
75°	6	6
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3189.4
2.5°	3183.5
5°	3206.6
7.5°	3229.7
10°	3258.7
12.5°	3264.5
15°	3276.1
17.5°	3264.5
20°	3235.5
22.5°	3143.0
25°	3056.1
27.5°	2917.3
30°	2737.9
32.5°	2552.6
35°	2315.4
37.5°	2049.0
40°	1753.8
42.5°	1423.9
45°	1070.9
47.5°	746.6
50°	492.0
52.5°	312.6
55°	185.3
57.5°	98.5
60°	52.0
62.5°	29.0
65°	17.2
67.5°	17.2
70°	11.6
72.5°	5.8
75°	5.8
77.5°	5.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)