

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: P844448

Luminaire Tested: **LD6C40DE010B2750 EU6C40B27 6LBNH**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C40DE010B2750 EU6C40B27 6LBNH
Description:
Light Source: -
Ballast/Driver:

Summary

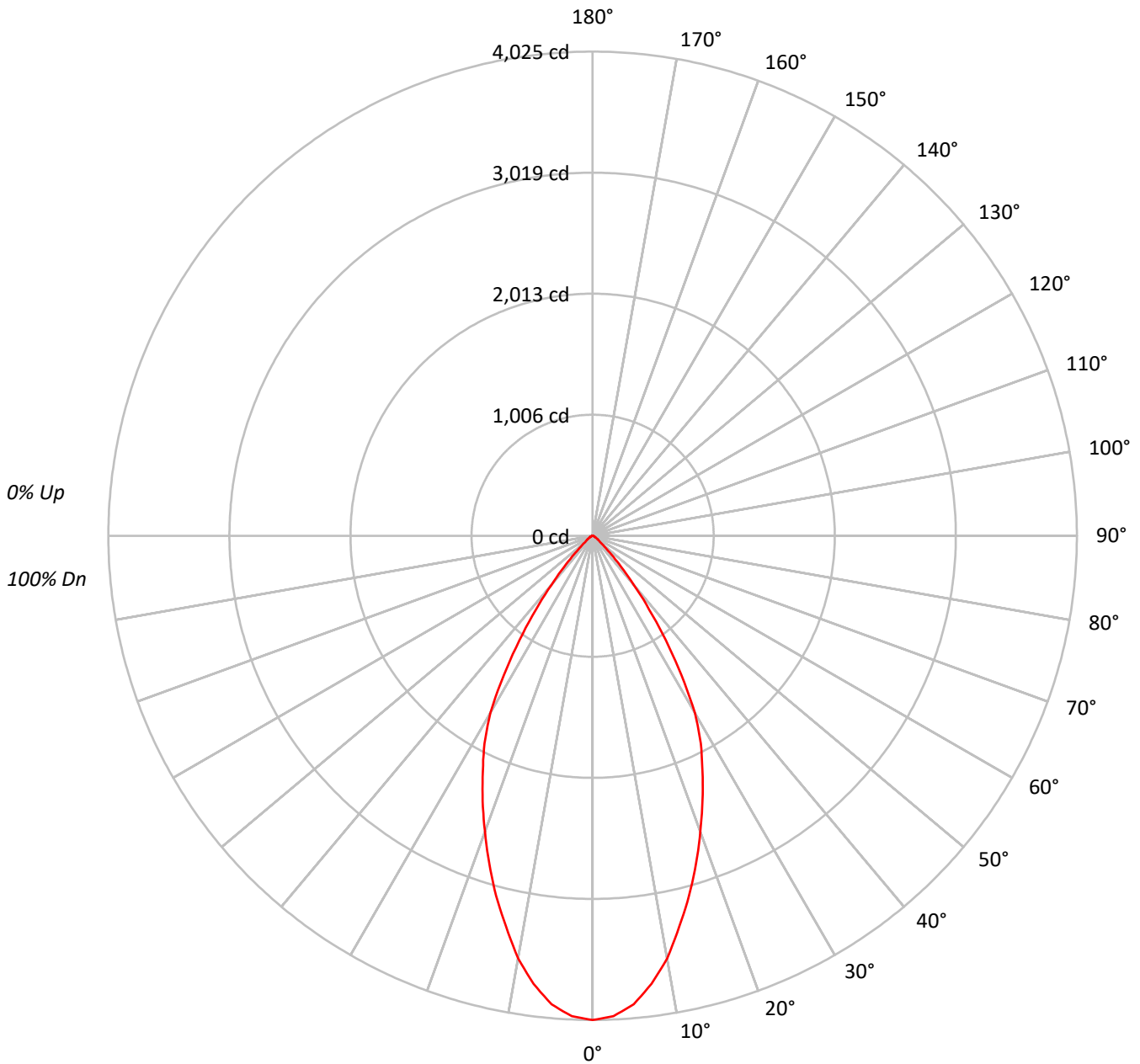
Lumens per Lamp: N/A
Luminaire Lumens: 3140.0 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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			
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	220673
5°	215204
10°	198577
15°	175807
20°	152648
25°	130568
30°	107649
35°	70885
40°	38107
45°	16870
50°	6840
55°	4932
60°	3136
65°	2231
70°	1843
75°	1207
80°	1799
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.0	11.5
10°-20°	863.2	27.5
20°-30°	988.9	31.5
30°-40°	664.4	21.2
40°-50°	189.8	6.0
50°-60°	46.5	1.5
60°-70°	17.6	0.6
70°-80°	6.8	0.2
80°-90°	0.8	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°	2214.1	70.5
0°-40°	2878.5	91.7
0°-60°	3114.8	99.2
0°-90°	3140.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3140.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4025	
5°	3911	362
15°	3098	863
25°	2159	989
35°	1059	664
45°	218	190
55°	52	46
65°	17	18
75°	6	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4025.4
2.5°	3996.7
5°	3910.7
7.5°	3756.1
10°	3567.3
12.5°	3326.6
15°	3097.7
17.5°	2857.3
20°	2616.6
22.5°	2387.7
25°	2158.6
27.5°	1946.8
30°	1700.6
32.5°	1374.1
35°	1059.2
37.5°	772.9
40°	532.5
42.5°	349.2
45°	217.6
47.5°	131.7
50°	80.2
52.5°	62.9
55°	51.6
57.5°	40.1
60°	28.6
62.5°	22.8
65°	17.2
67.5°	11.5
70°	11.5
72.5°	5.7
75°	5.7
77.5°	5.7
80°	5.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)