

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: P843938

Luminaire Tested: **LD6C10DE010B2750 EU6C10B27 6LBNH**

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-08
Report Number: P843938
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: LD6C10DE010B2750 EU6C10B27 6LBNH
Description:
Light Source: -
Ballast/Driver:

Summary

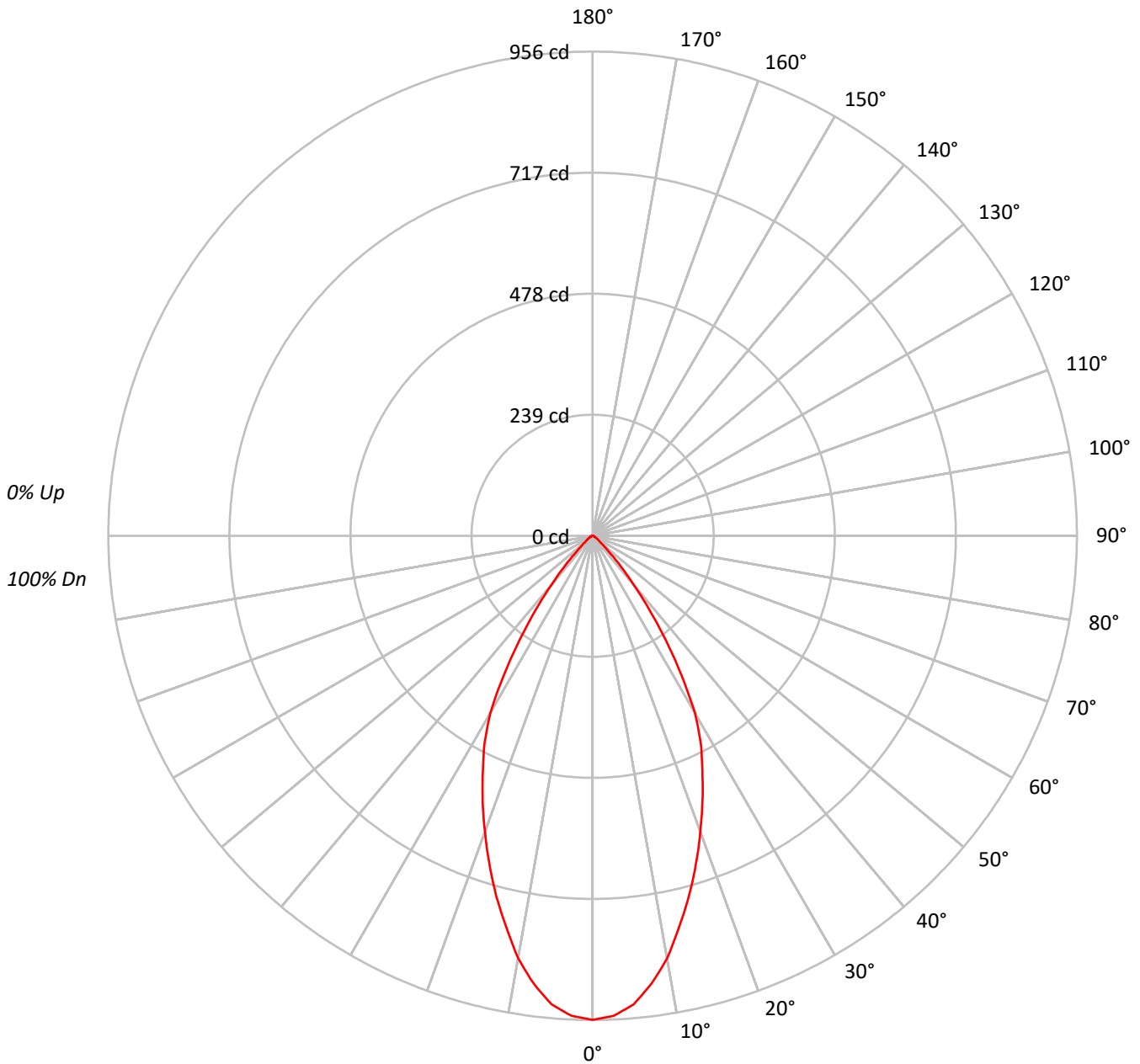
Lumens per Lamp: N/A
Luminaire Lumens: 745.7 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
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	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	93																											
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87	87																											
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81	81																											
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75	75																											
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70	70																											
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65	65																											
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61	61																											
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58	58																											
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54	54																											
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51	51																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	52397
5°	51100
10°	47155
15°	41748
20°	36251
25°	31000
30°	25561
35°	16831
40°	9053
45°	4008
50°	1620
55°	1176
60°	746
65°	532
70°	433
75°	297
80°	442
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	11.5
10°-20°	205.0	27.5
20°-30°	234.8	31.5
30°-40°	157.8	21.2
40°-50°	45.1	6.0
50°-60°	11.0	1.5
60°-70°	4.2	0.6
70°-80°	1.6	0.2
80°-90°	0.2	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°	525.8	70.5
0°-40°	683.5	91.7
0°-60°	739.6	99.2
0°-90°	745.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	745.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	956	
5°	929	86
15°	736	205
25°	512	235
35°	252	158
45°	52	45
55°	12	11
65°	4	4
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	955.8
2.5°	949.0
5°	928.6
7.5°	891.9
10°	847.1
12.5°	789.9
15°	735.6
17.5°	678.5
20°	621.4
22.5°	567.0
25°	512.5
27.5°	462.3
30°	403.8
32.5°	326.3
35°	251.5
37.5°	183.5
40°	126.5
42.5°	82.9
45°	51.7
47.5°	31.3
50°	19.0
52.5°	14.9
55°	12.3
57.5°	9.5
60°	6.8
62.5°	5.4
65°	4.1
67.5°	2.7
70°	2.7
72.5°	1.4
75°	1.4
77.5°	1.4
80°	1.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)