

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: P844435

Luminaire Tested: **LD6C35DE010B2750 EU6C35B50 6LBWH**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844435
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: LD6C35DE010B2750 EU6C35B50 6LBWH
Description:
Light Source: -
Ballast/Driver:

Summary

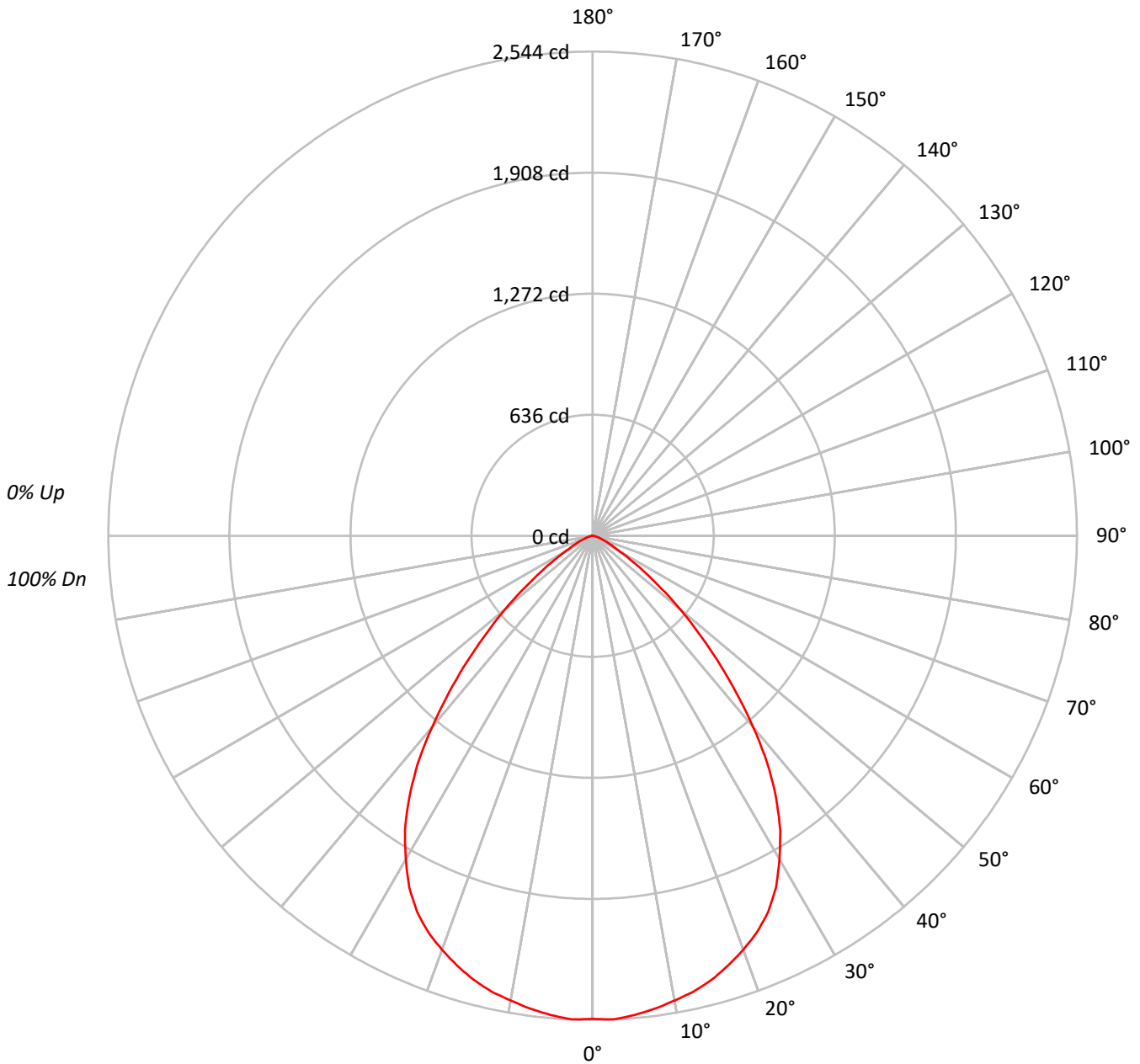
Lumens per Lamp: N/A
Luminaire Lumens: 4115.2 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 41.7
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°	139139
5°	139093
10°	138023
15°	137095
20°	135007
25°	131929
30°	124215
35°	112411
40°	93869
45°	71930
50°	50949
55°	32114
60°	18113
65°	11752
70°	7678
75°	5655
80°	3378
85°	3397



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.7	5.8
10°-20°	680.2	16.5
20°-30°	997.4	24.2
30°-40°	1038.0	25.2
40°-50°	718.2	17.5
50°-60°	312.7	7.6
60°-70°	95.9	2.3
70°-80°	28.7	0.7
80°-90°	4.4	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°	1917.4	46.6
0°-40°	2955.4	71.8
0°-60°	3986.2	96.9
0°-90°	4115.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4115.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2538	
5°	2528	240
15°	2416	680
25°	2181	997
35°	1680	1038
45°	928	718
55°	336	313
65°	91	96
75°	27	29
85°	5	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2538.1
2.5°	2543.5
5°	2527.6
7.5°	2506.3
10°	2479.5
12.5°	2452.9
15°	2415.6
17.5°	2367.5
20°	2314.2
22.5°	2255.6
25°	2181.1
27.5°	2085.0
30°	1962.3
32.5°	1834.3
35°	1679.7
37.5°	1509.1
40°	1311.7
42.5°	1114.4
45°	927.8
47.5°	751.8
50°	597.4
52.5°	453.3
55°	336.0
57.5°	240.0
60°	165.2
62.5°	122.7
65°	90.6
67.5°	69.4
70°	47.9
72.5°	37.3
75°	26.7
77.5°	15.9
80°	10.7
82.5°	5.4
85°	5.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)