

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: P844282

Luminaire Tested: **LD6C30DE010B2750 EU6C30B27 6LBWH**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844282
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: LD6C30DE010B2750 EU6C30B27 6LBWH
Description:
Light Source: -
Ballast/Driver:

Summary

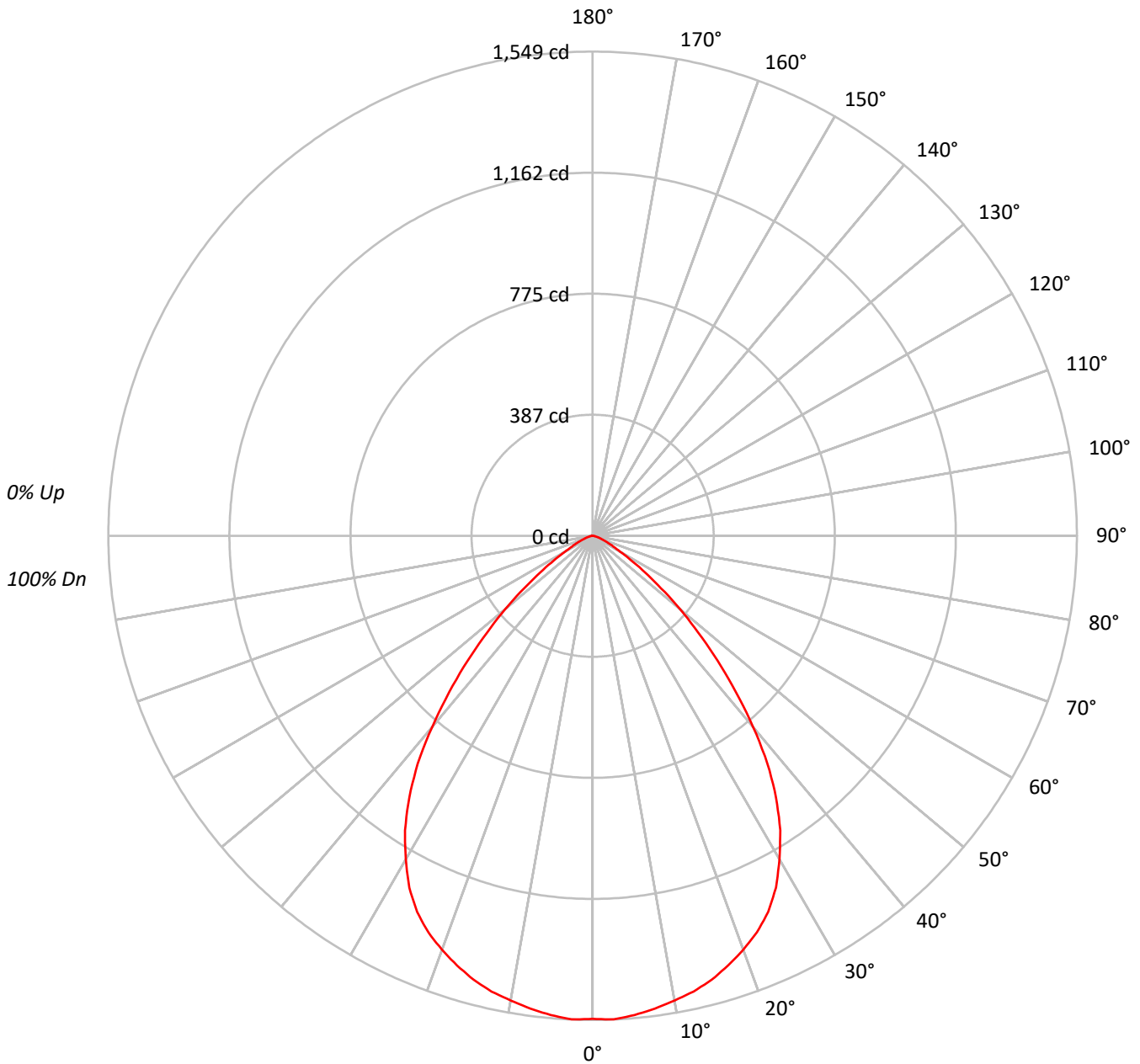
Lumens per Lamp: N/A
Luminaire Lumens: 2505.6 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 34.1
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°	84714
5°	84685
10°	84033
15°	83468
20°	82199
25°	80321
30°	75626
35°	68442
40°	57150
45°	43795
50°	31010
55°	19545
60°	11030
65°	7160
70°	4680
75°	3431
80°	2084
85°	2076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.0	5.8
10°-20°	414.1	16.5
20°-30°	607.3	24.2
30°-40°	632.0	25.2
40°-50°	437.3	17.5
50°-60°	190.4	7.6
60°-70°	58.4	2.3
70°-80°	17.5	0.7
80°-90°	2.7	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°	1167.4	46.6
0°-40°	1799.4	71.8
0°-60°	2427.0	96.9
0°-90°	2505.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2505.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1545	
5°	1539	146
15°	1471	414
25°	1328	607
35°	1023	632
45°	565	437
55°	204	190
65°	55	58
75°	16	17
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1545.3
2.5°	1548.6
5°	1538.9
7.5°	1526.0
10°	1509.6
12.5°	1493.4
15°	1470.7
17.5°	1441.4
20°	1409.0
22.5°	1373.3
25°	1327.9
27.5°	1269.5
30°	1194.7
32.5°	1116.8
35°	1022.7
37.5°	918.9
40°	798.6
42.5°	678.6
45°	564.9
47.5°	457.7
50°	363.6
52.5°	276.0
55°	204.5
57.5°	146.2
60°	100.6
62.5°	74.7
65°	55.2
67.5°	42.2
70°	29.2
72.5°	22.7
75°	16.2
77.5°	9.7
80°	6.6
82.5°	3.3
85°	3.3
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)