

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P204100

Luminaire Tested: **LE_6B50D010R EC6B30508035 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B50D010R EC6B30508035 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4946.1 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

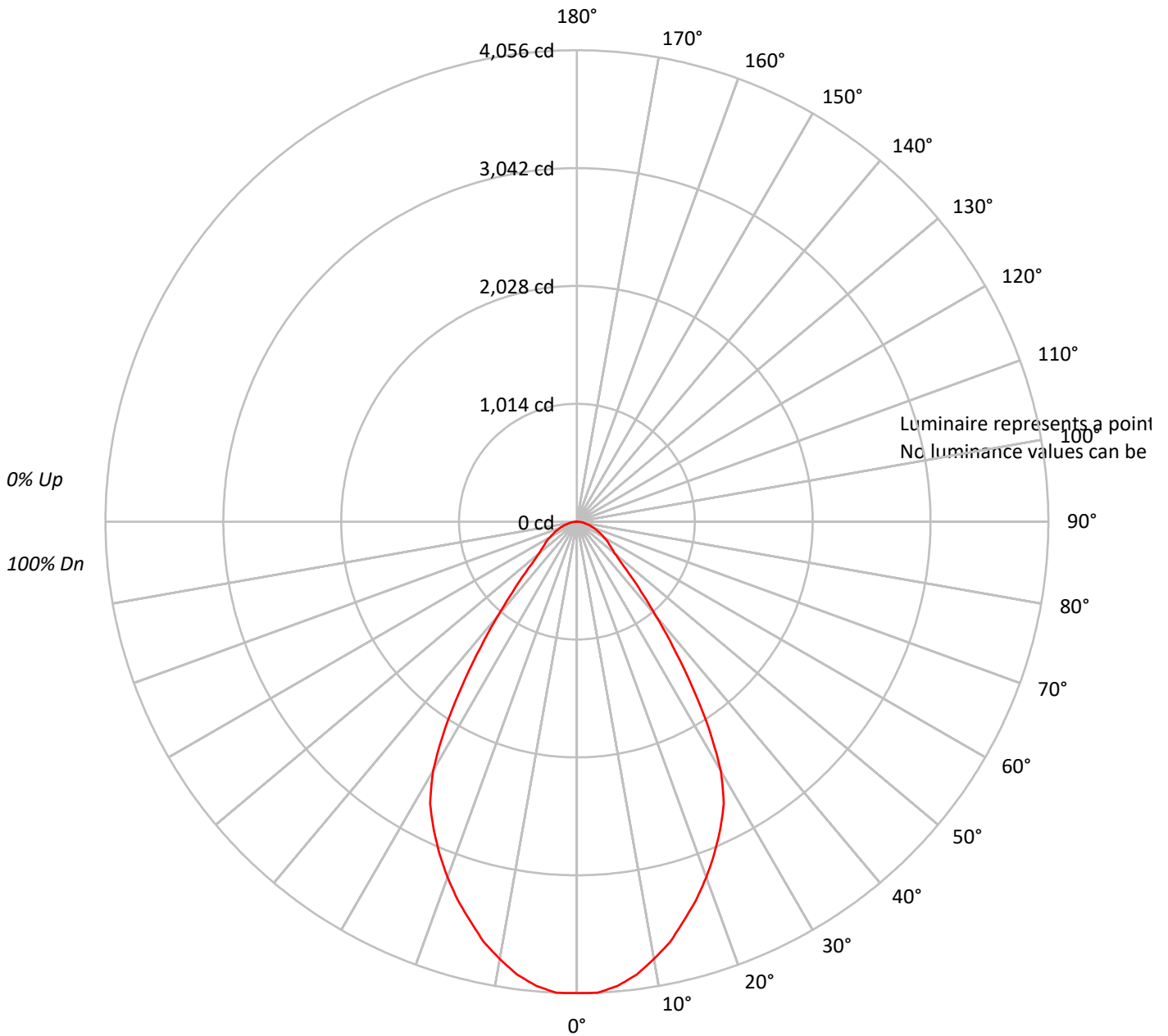
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





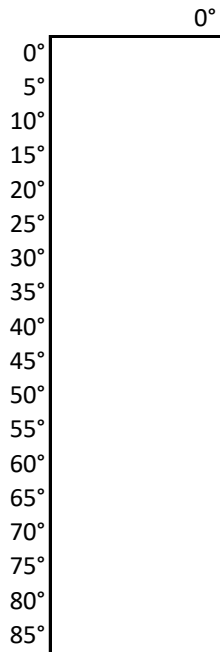
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									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	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	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90																												
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81																												
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73																												
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66																												
5	87	77	70	64	85	76	69	64	74	68	64	72	67	63	70	66	62	61																												
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56																												
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51																												
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47																												
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44																												
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41																												

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.7	7.6
10°-20°	998.4	20.2
20°-30°	1332.9	26.9
30°-40°	1075.4	21.7
40°-50°	515.4	10.4
50°-60°	305.5	6.2
60°-70°	203.1	4.1
70°-80°	108.8	2.2
80°-90°	29.9	0.6
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°	2708.0	54.8
0°-40°	3783.4	76.5
0°-60°	4604.3	93.1
0°-90°	4946.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4946.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4056	
5°	4009	377
15°	3553	998
25°	2916	1333
35°	1722	1075
45°	637	515
55°	338	305
65°	204	203
75°	102	109
85°	24	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4056.2
2.5°	4056.2
5°	4009.1
7.5°	3930.5
10°	3820.5
12.5°	3702.6
15°	3553.2
17.5°	3411.8
20°	3254.5
22.5°	3089.4
25°	2916.5
27.5°	2735.6
30°	2476.2
32.5°	2114.6
35°	1721.6
37.5°	1360.0
40°	1053.4
42.5°	817.5
45°	636.8
47.5°	503.1
50°	424.5
52.5°	377.4
55°	338.0
57.5°	306.6
60°	267.2
62.5°	235.9
65°	204.4
67.5°	173.0
70°	149.4
72.5°	125.8
75°	102.2
77.5°	78.6
80°	62.9
82.5°	47.1
85°	23.6
87.5°	7.9
90°	0.0



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— 0°-180°







(END OF REPORT)