

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: P204107

Luminaire Tested: **LE_6B50D010R EC6B30509040 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204107
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 EC6B30509040 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: 4184.6 lumens
Efficiency: N/A
Efficacy: 71.2 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

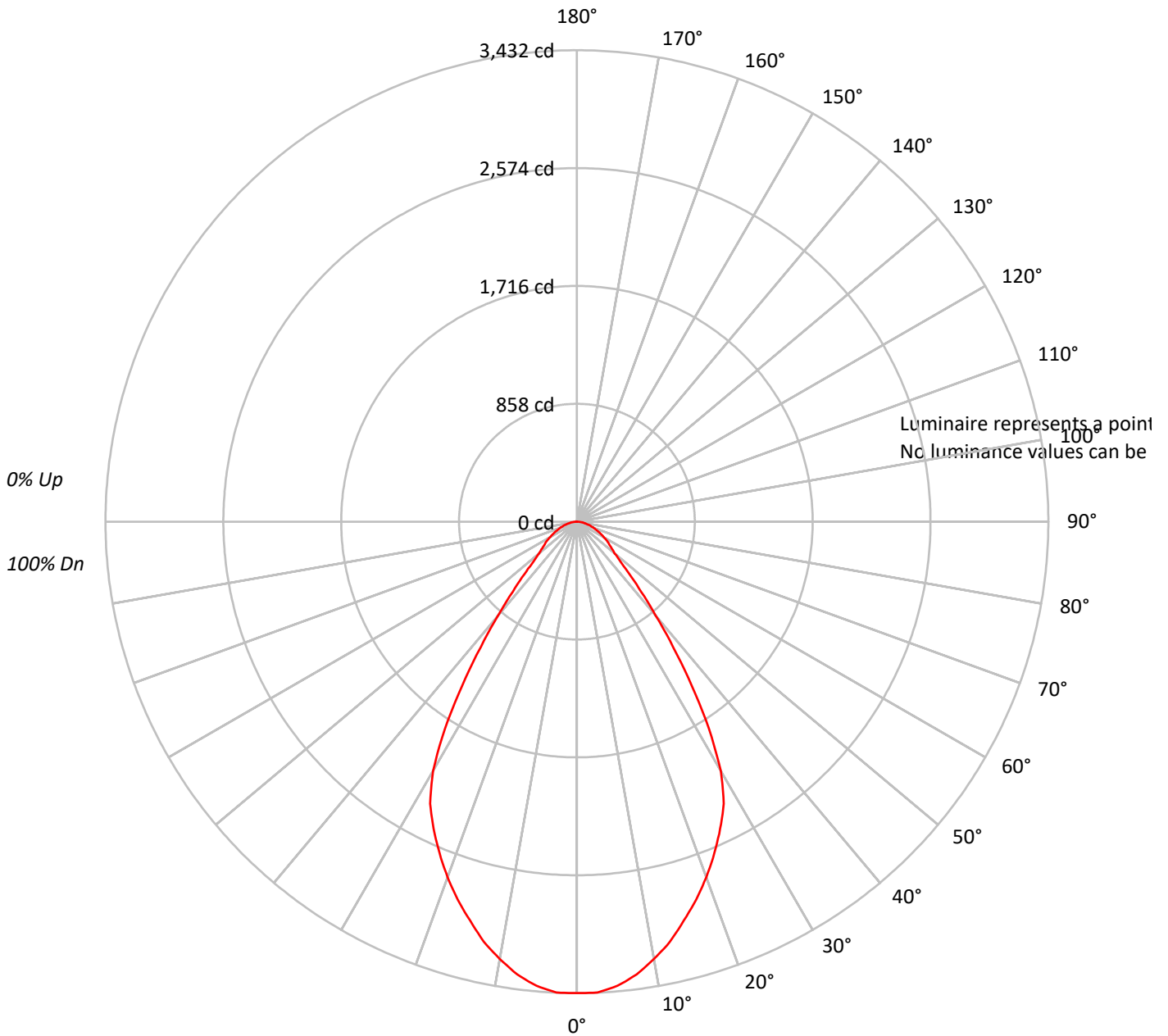
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
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	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°	318.7	7.6
10°-20°	844.7	20.2
20°-30°	1127.7	26.9
30°-40°	909.8	21.7
40°-50°	436.0	10.4
50°-60°	258.5	6.2
60°-70°	171.8	4.1
70°-80°	92.1	2.2
80°-90°	25.3	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°	2291.1	54.8
0°-40°	3200.9	76.5
0°-60°	3895.3	93.1
0°-90°	4184.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4184.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3432	
5°	3392	319
15°	3006	845
25°	2467	1128
35°	1456	910
45°	539	436
55°	286	258
65°	173	172
75°	86	92
85°	20	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3431.8
2.5°	3431.8
5°	3391.9
7.5°	3325.4
10°	3232.2
12.5°	3132.5
15°	3006.1
17.5°	2886.4
20°	2753.4
22.5°	2613.8
25°	2467.4
27.5°	2314.5
30°	2095.0
32.5°	1789.0
35°	1456.5
37.5°	1150.6
40°	891.2
42.5°	691.6
45°	538.8
47.5°	425.6
50°	359.1
52.5°	319.2
55°	286.0
57.5°	259.4
60°	226.1
62.5°	199.5
65°	172.9
67.5°	146.4
70°	126.4
72.5°	106.4
75°	86.5
77.5°	66.5
80°	53.2
82.5°	39.9
85°	20.0
87.5°	6.6
90°	0.0



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— 0°-180°







(END OF REPORT)