

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: P203171

Luminaire Tested: **LE_6B50D010R EC6B30508027 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203171
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 EC6B30508027 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 6040.9 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

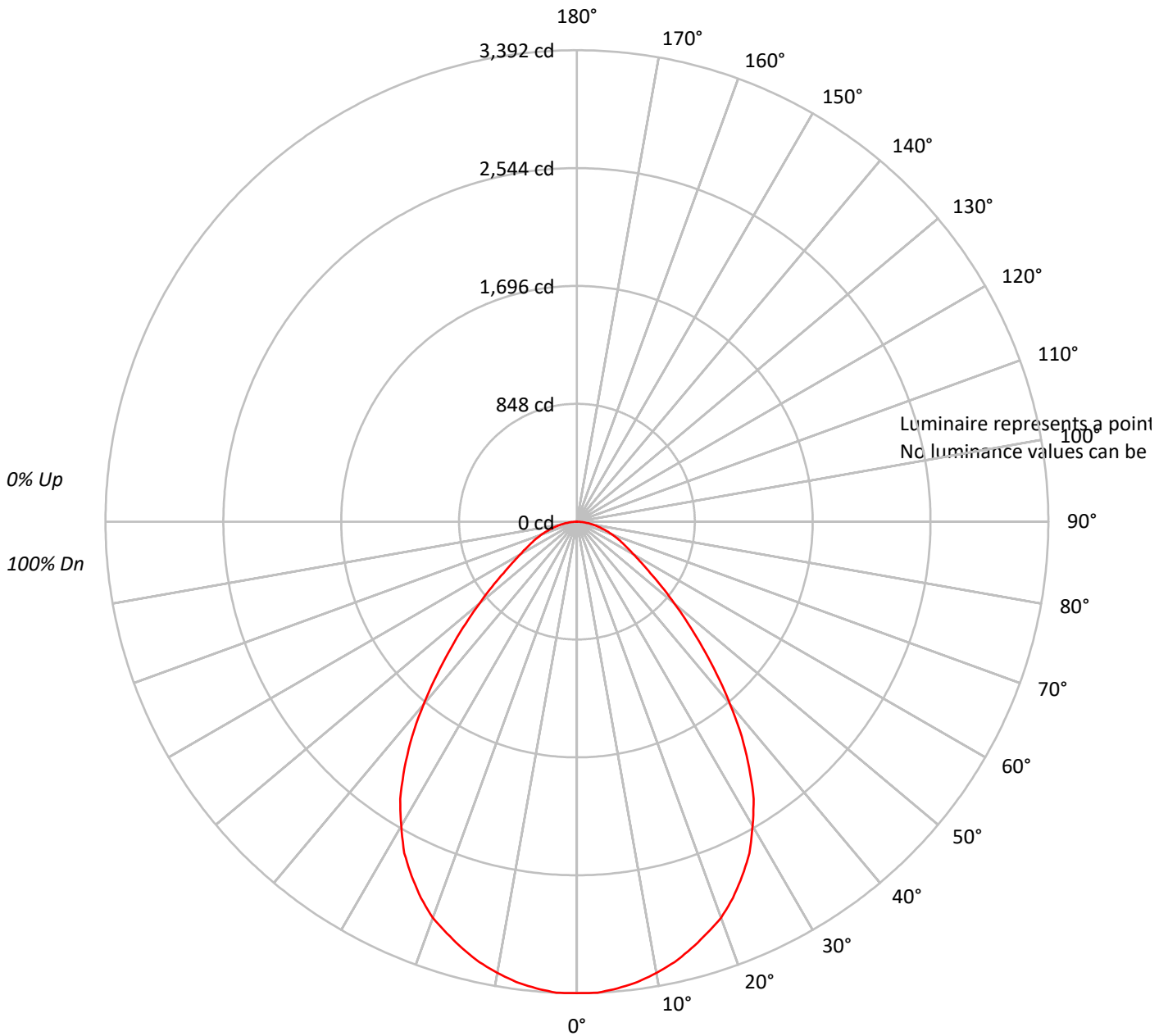
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60			
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54			
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37			
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.5	5.3
10°-20°	895.9	14.8
20°-30°	1290.9	21.4
30°-40°	1340.3	22.2
40°-50°	990.9	16.4
50°-60°	591.9	9.8
60°-70°	359.6	6.0
70°-80°	197.0	3.3
80°-90°	54.8	0.9
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°	2506.3	41.5
0°-40°	3846.6	63.7
0°-60°	5429.5	89.9
0°-90°	6040.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6040.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3392	
5°	3370	319
15°	3180	896
25°	2814	1291
35°	2162	1340
45°	1275	991
55°	645	592
65°	359	360
75°	183	197
85°	44	55
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3392.4
2.5°	3392.4
5°	3370.4
7.5°	3341.1
10°	3297.1
12.5°	3245.9
15°	3179.9
17.5°	3106.6
20°	3033.4
22.5°	2930.8
25°	2813.6
27.5°	2689.0
30°	2527.8
32.5°	2366.6
35°	2161.5
37.5°	1949.0
40°	1714.5
42.5°	1487.4
45°	1274.9
47.5°	1084.4
50°	915.9
52.5°	769.4
55°	644.8
57.5°	549.5
60°	468.9
62.5°	410.2
65°	359.0
67.5°	315.0
70°	271.1
72.5°	227.1
75°	183.1
77.5°	146.5
80°	109.9
82.5°	80.6
85°	44.0
87.5°	22.0
90°	0.0



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— 0°-180°







(END OF REPORT)