

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: P202867

Luminaire Tested: **LE_6B50D010R EC6B30509024 6LBWWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202867
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 EC6B30509024 6LBWWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4414.1 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

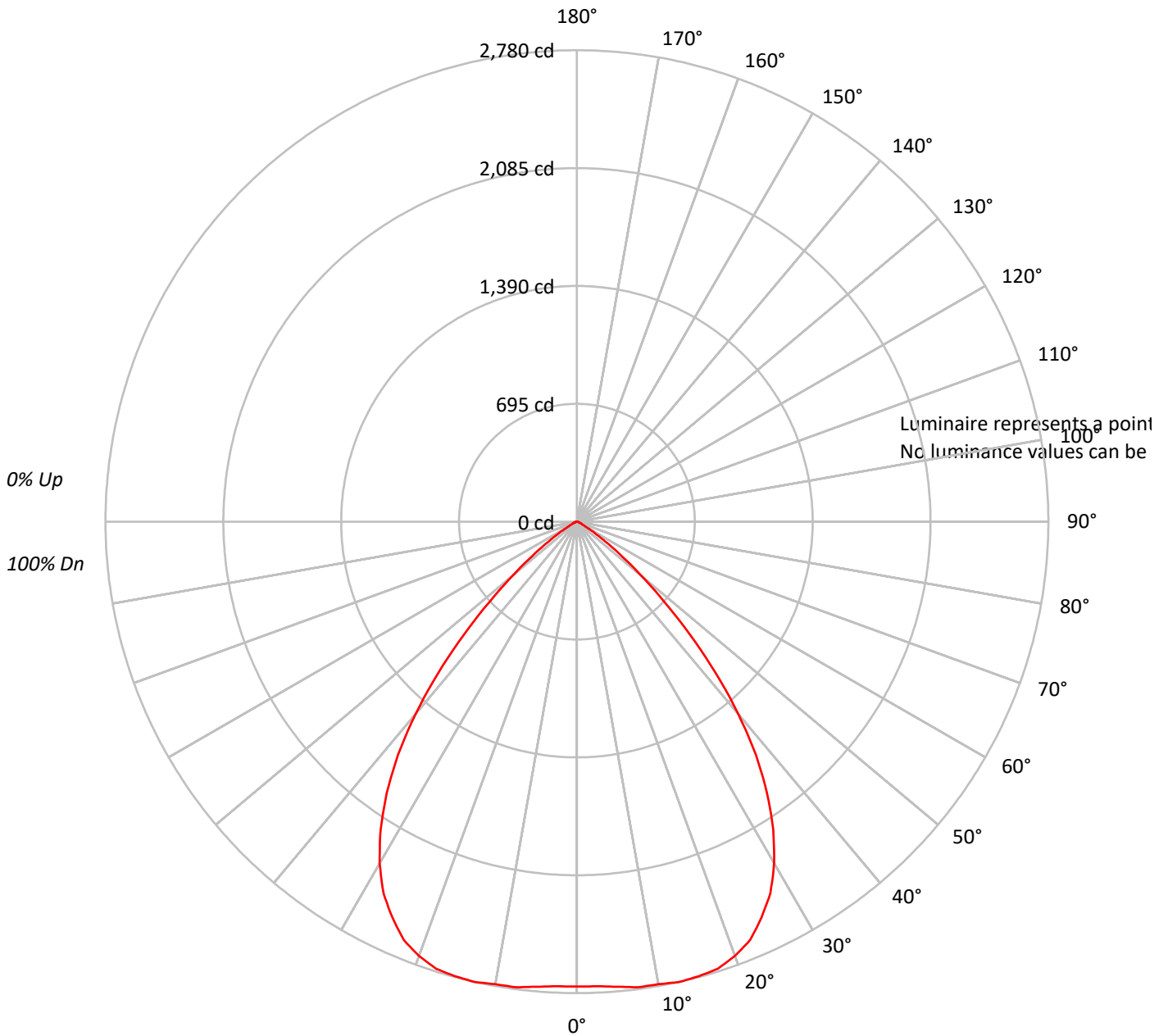
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																		
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92																												
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83																												
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75																												
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68																												
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62																												
6	82	71	64	59	80	71	64	59	69	63	59	67	62	58	66	61	58	56																												
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51																												
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47																												
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43																												
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40																												

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.5	6.0
10°-20°	783.7	17.8
20°-30°	1179.6	26.7
30°-40°	1206.1	27.3
40°-50°	732.5	16.6
50°-60°	206.3	4.7
60°-70°	31.4	0.7
70°-80°	10.2	0.2
80°-90°	0.7	0.0
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°	2226.8	50.4
0°-40°	3433.0	77.8
0°-60°	4371.8	99.0
0°-90°	4414.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4414.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2742	
5°	2753	264
15°	2775	784
25°	2576	1180
35°	1955	1206
45°	942	733
55°	205	206
65°	28	31
75°	11	10
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2741.6
2.5°	2741.6
5°	2752.8
7.5°	2769.2
10°	2769.2
12.5°	2780.4
15°	2774.9
17.5°	2763.8
20°	2725.0
22.5°	2669.6
25°	2575.5
27.5°	2470.2
30°	2326.2
32.5°	2154.5
35°	1955.1
37.5°	1733.6
40°	1478.8
42.5°	1213.0
45°	941.6
47.5°	697.9
50°	492.9
52.5°	332.4
55°	204.9
57.5°	121.9
60°	60.9
62.5°	38.8
65°	27.8
67.5°	22.1
70°	16.6
72.5°	11.1
75°	11.1
77.5°	5.5
80°	5.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)