

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: P202865

Luminaire Tested: **LE_6B50D010R EC6B30508040 6LBWWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202865
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 EC6B30508040 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: 6327.6 lumens
Efficiency: N/A
Efficacy: 107.6 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

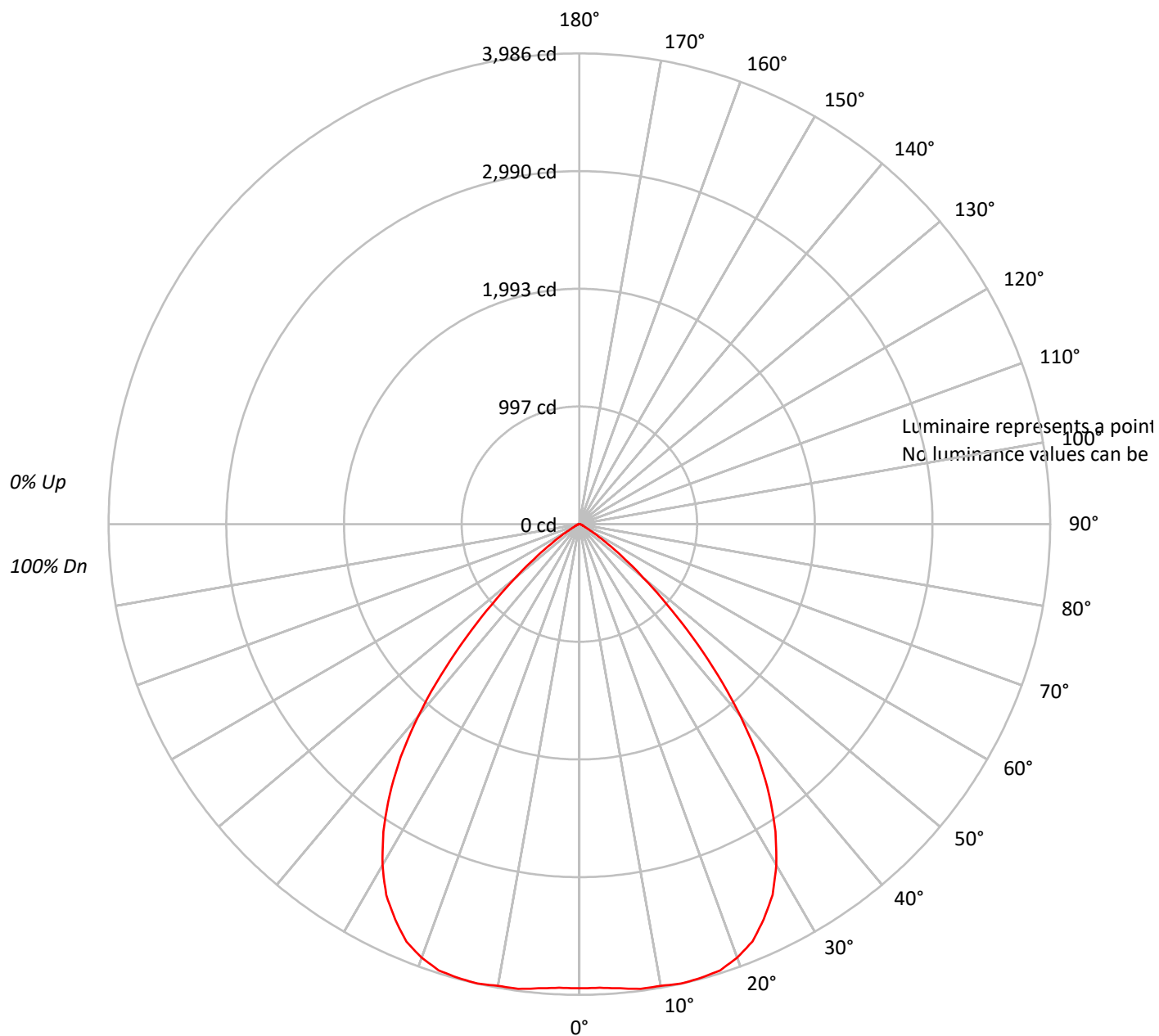
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





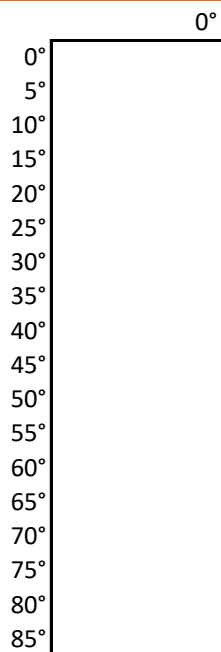
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	109	107	104	110	107	105	102		103	101	99		99	98	96		96	95	93
2	106	100	96	92	104	98	94	91		95	92	89		92	89	87		89	87	85
3	99	92	86	81	97	90	85	81		88	83	79		85	81	78		83	80	77
4	93	84	78	73	91	83	77	72		81	76	71		79	74	71		77	73	70
5	87	77	71	66	85	76	70	65		75	69	65		73	68	64		71	67	63
6	82	71	64	59	80	71	64	59		69	63	59		67	62	58		66	61	58
7	77	66	59	54	75	65	59	54		64	58	54		63	57	53		61	57	53
8	72	61	54	49	71	61	54	49		59	53	49		58	53	49		57	52	49
9	68	57	50	45	67	56	50	45		55	49	45		54	49	45		53	48	45
10	64	53	46	42	63	53	46	42		52	46	42		51	45	42		50	45	41

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.8	6.0
10°-20°	1123.3	17.8
20°-30°	1691.0	26.7
30°-40°	1728.9	27.3
40°-50°	1050.1	16.6
50°-60°	295.7	4.7
60°-70°	45.0	0.7
70°-80°	14.7	0.2
80°-90°	1.1	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°	3192.1	50.4
0°-40°	4921.0	77.8
0°-60°	6266.8	99.0
0°-90°	6327.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6327.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3930	
5°	3946	378
15°	3978	1123
25°	3692	1691
35°	2803	1729
45°	1350	1050
55°	294	296
65°	40	45
75°	16	15
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3930.0
2.5°	3930.0
5°	3945.9
7.5°	3969.8
10°	3969.8
12.5°	3985.6
15°	3977.6
17.5°	3961.8
20°	3906.2
22.5°	3826.8
25°	3691.9
27.5°	3541.0
30°	3334.5
32.5°	3088.4
35°	2802.6
37.5°	2485.0
40°	2119.9
42.5°	1738.8
45°	1349.8
47.5°	1000.4
50°	706.6
52.5°	476.4
55°	293.8
57.5°	174.6
60°	87.4
62.5°	55.6
65°	39.8
67.5°	31.8
70°	23.9
72.5°	15.9
75°	15.9
77.5°	8.0
80°	8.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)