

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: P203792

Luminaire Tested: **LE_6B50D010R EC6B30508040 6LBNWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203792
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 6LBNWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4662.3 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.64
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

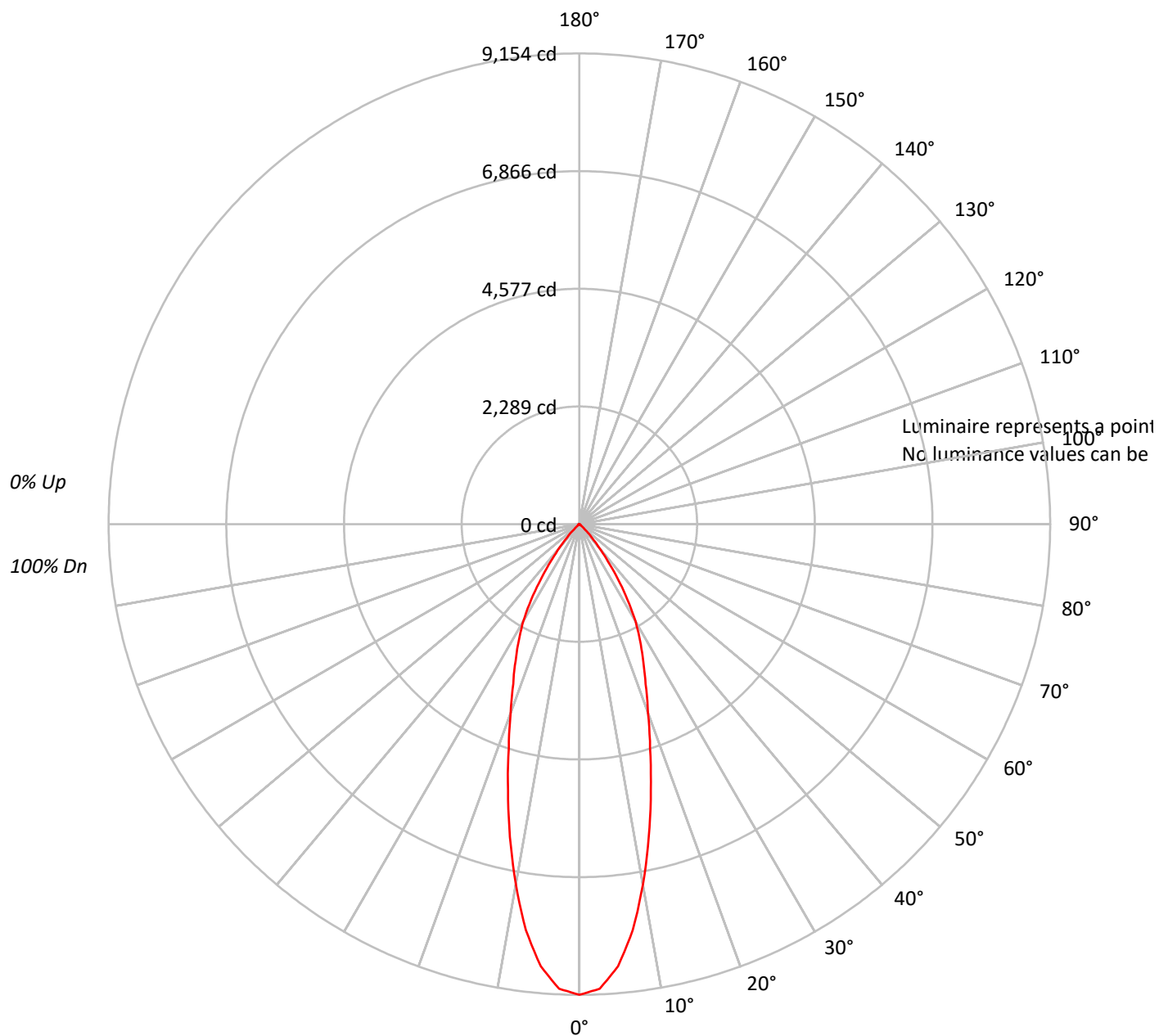
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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	114	111	109	107		112	109	107	105		105	104	102		101	100	99		98	97	96
2	109	104	101	97		107	103	99	96		99	97	94		96	94	92		94	92	90
3	104	98	93	90		102	97	92	89		94	91	88		92	89	86		89	87	85
4	99	92	87	83		97	91	86	83		89	85	82		87	84	81		85	82	80
5	95	87	82	78		93	86	81	77		84	80	77		83	79	76		81	78	75
6	91	82	77	73		89	82	76	73		80	76	72		79	75	72		78	74	71
7	87	78	73	69		85	77	72	69		76	72	68		75	71	68		74	70	67
8	83	74	69	65		82	74	68	65		73	68	65		72	67	64		71	67	64
9	79	71	65	62		78	70	65	61		69	65	61		68	64	61		68	64	61
10	76	67	62	58		75	67	62	58		66	61	58		65	61	58		65	61	58

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	774.9	16.6
10°-20°	1488.9	31.9
20°-30°	1353.6	29.0
30°-40°	820.5	17.6
40°-50°	186.8	4.0
50°-60°	23.9	0.5
60°-70°	10.7	0.2
70°-80°	3.1	0.1
80°-90°	0.0	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°	3617.3	77.6
0°-40°	4437.8	95.2
0°-60°	4648.4	99.7
0°-90°	4662.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4662.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9154	
5°	8630	775
15°	5362	1489
25°	2935	1354
35°	1301	820
45°	206	187
55°	24	24
65°	8	11
75°	0	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9153.5
2.5°	9042.5
5°	8630.0
7.5°	7963.8
10°	7115.0
12.5°	6234.5
15°	5362.0
17.5°	4568.9
20°	3902.5
22.5°	3363.1
25°	2934.9
27.5°	2554.1
30°	2181.2
32.5°	1745.0
35°	1300.9
37.5°	912.1
40°	602.9
42.5°	372.8
45°	206.2
47.5°	95.1
50°	39.6
52.5°	31.8
55°	23.8
57.5°	23.8
60°	15.9
62.5°	15.9
65°	7.9
67.5°	7.9
70°	7.9
72.5°	7.9
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)