

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: P205473

Luminaire Tested: **LE_6B10D010 EC6B10208035 6LBMGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205473
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_6B10D010 EC6B10208035 6LBMGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 759.6 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

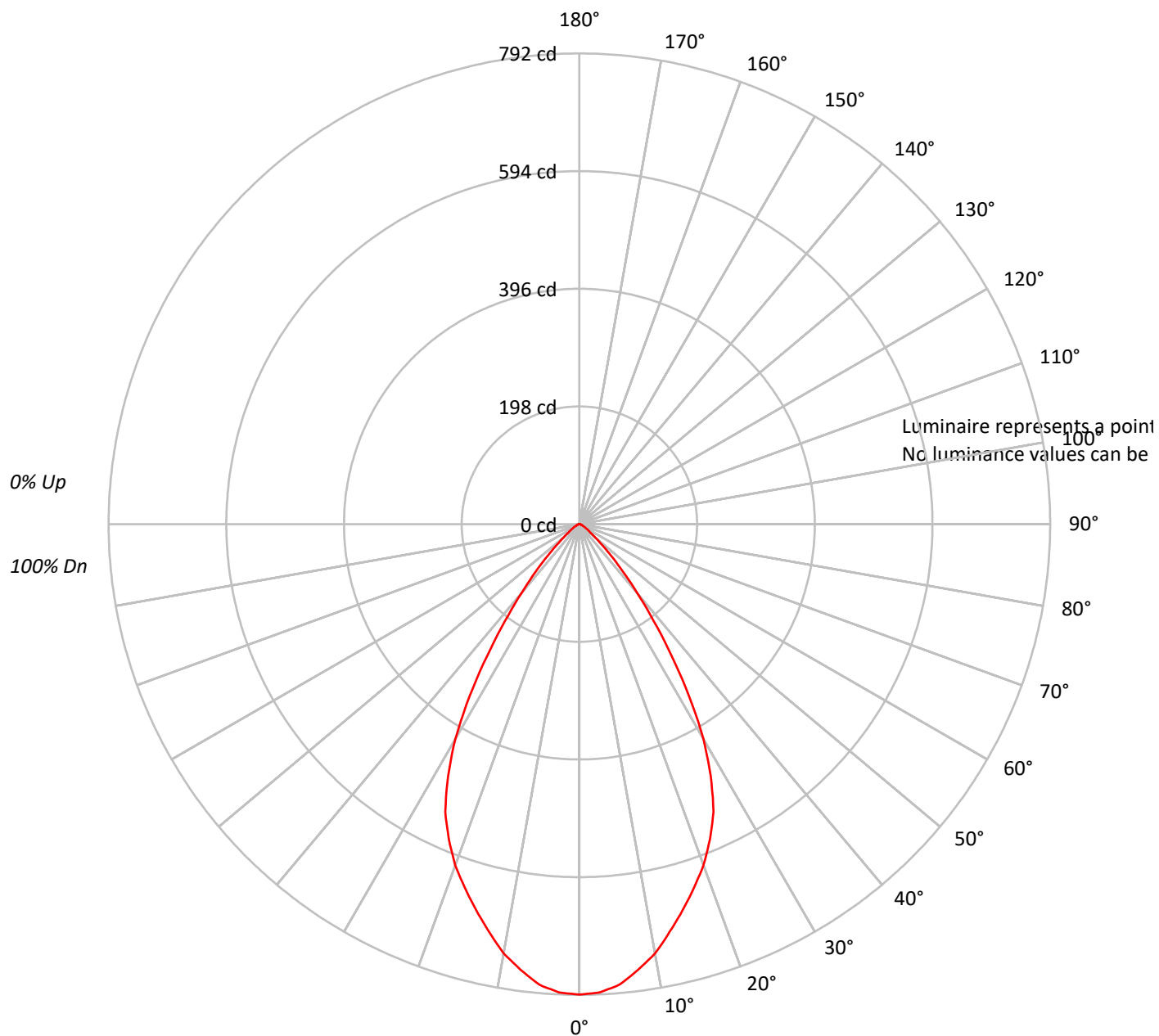
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





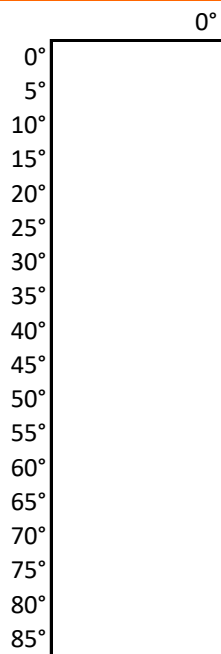
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	113	110	108	105		111	108	106	104		104	102	101		100	99	98		97	96	95
2	107	102	98	94		105	100	97	93		97	94	91		94	92	89		91	89	87
3	102	95	90	85		100	93	89	85		91	87	83		88	85	82		86	83	81
4	96	88	82	78		94	87	82	77		85	80	77		83	79	76		81	78	75
5	91	82	76	72		89	81	76	71		79	74	71		78	73	70		76	72	69
6	86	77	71	66		85	76	70	66		74	69	65		73	68	65		72	68	64
7	82	72	66	61		80	71	65	61		70	65	61		69	64	60		68	63	60
8	77	68	61	57		76	67	61	57		66	60	57		65	60	56		64	59	56
9	74	64	57	53		72	63	57	53		62	57	53		61	56	53		60	56	53
10	70	60	54	50		69	59	54	50		59	53	50		58	53	49		57	53	49

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	9.6
10°-20°	188.7	24.8
20°-30°	240.4	31.7
30°-40°	169.9	22.4
40°-50°	62.0	8.2
50°-60°	17.2	2.3
60°-70°	6.2	0.8
70°-80°	2.2	0.3
80°-90°	0.2	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°	501.9	66.1
0°-40°	671.8	88.4
0°-60°	751.0	98.9
0°-90°	759.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	759.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	792	
5°	778	73
15°	672	189
25°	534	240
35°	270	170
45°	75	62
55°	18	17
65°	6	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	791.6
2.5°	788.6
5°	777.9
7.5°	756.4
10°	733.4
12.5°	702.6
15°	672.0
17.5°	641.2
20°	610.6
22.5°	573.8
25°	533.9
27.5°	478.6
30°	417.2
32.5°	343.6
35°	270.0
37.5°	205.6
40°	150.4
42.5°	108.9
45°	75.1
47.5°	50.6
50°	33.8
52.5°	23.0
55°	18.4
57.5°	13.8
60°	10.8
62.5°	7.6
65°	6.1
67.5°	4.6
70°	3.1
72.5°	3.1
75°	1.5
77.5°	1.5
80°	1.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)