

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: P35143

Luminaire Tested: **LE_6B15D010 EC6B10208035 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P35143
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B15D010 EC6B10208035 6LBCSMB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK TRIM
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W
DL3-15.28 W DLE-15.432 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1743.6 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

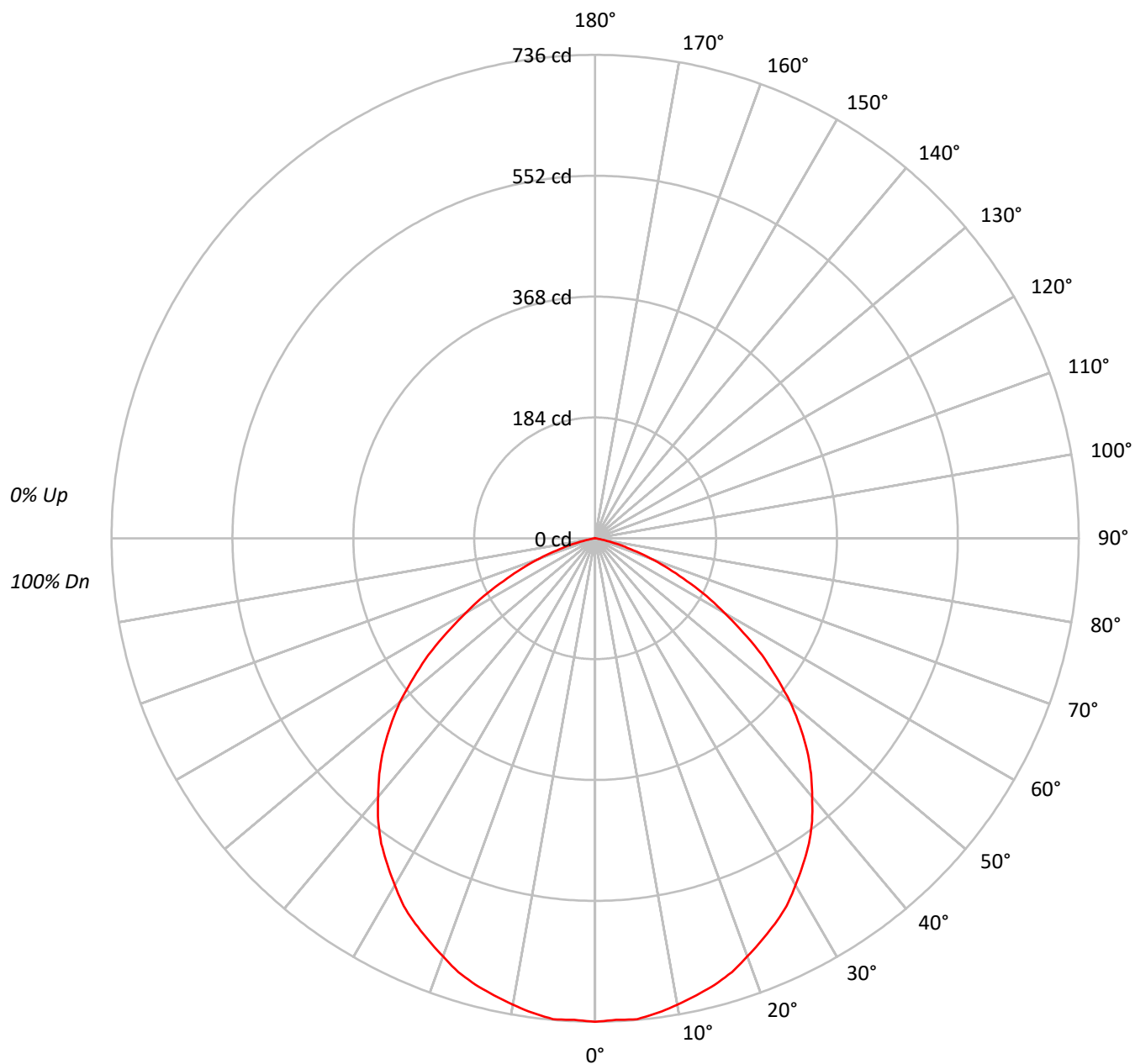
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	103	100		108	104	101	98		100	98	95		96	94	92		93	91	90
2	102	95	89	84		99	93	87	83		89	85	81		86	82	79		83	80	77
3	93	84	77	71		91	83	76	70		80	74	69		77	72	68		74	70	67
4	86	75	67	61		84	74	66	61		71	65	60		69	63	59		67	62	58
5	79	67	59	53		77	66	59	53		64	57	52		62	56	52		61	55	51
6	74	61	53	47		72	60	52	46		58	51	46		57	50	46		55	50	45
7	68	55	47	41		67	55	47	41		53	46	41		52	45	41		50	45	40
8	64	51	43	37		62	50	42	37		49	42	37		48	41	37		46	41	36
9	60	47	39	33		58	46	39	33		45	38	33		44	38	33		43	37	33
10	56	43	35	30		55	43	35	30		42	35	30		41	34	30		40	34	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48030
5°	48135
10°	47777
15°	47536
20°	47037
25°	46610
30°	45953
35°	45198
40°	43758
45°	42091
50°	39330
55°	35261
60°	29684
65°	23742
70°	17168
75°	9453
80°	1879
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	4.0
10°-20°	198.4	11.4
20°-30°	298.2	17.1
30°-40°	353.9	20.3
40°-50°	350.2	20.1
50°-60°	275.1	15.8
60°-70°	154.2	8.8
70°-80°	43.3	2.5
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°	566.3	32.5
0°-40°	920.2	52.8
0°-60°	1545.4	88.6
0°-90°	1743.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1743.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	736	
5°	735	70
15°	704	198
25°	648	298
35°	568	354
45°	456	350
55°	310	275
65°	154	154
75°	38	43
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	736.2
2.5°	733.8
5°	735.0
7.5°	728.8
10°	721.2
12.5°	712.5
15°	703.8
17.5°	692.5
20°	677.5
22.5°	662.5
25°	647.5
27.5°	631.2
30°	610.0
32.5°	588.8
35°	567.5
37.5°	542.5
40°	513.8
42.5°	486.2
45°	456.2
47.5°	422.5
50°	387.5
52.5°	347.5
55°	310.0
57.5°	267.5
60°	227.5
62.5°	191.2
65°	153.8
67.5°	121.2
70°	90.0
72.5°	61.2
75°	37.5
77.5°	18.8
80°	5.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)