

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: P35090

Luminaire Tested: **LE_6B15D010 EC6B10208035 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P35090
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B15D010 EC6B10208035 6LBSWMH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WARM HAZE 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: 2040.6 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

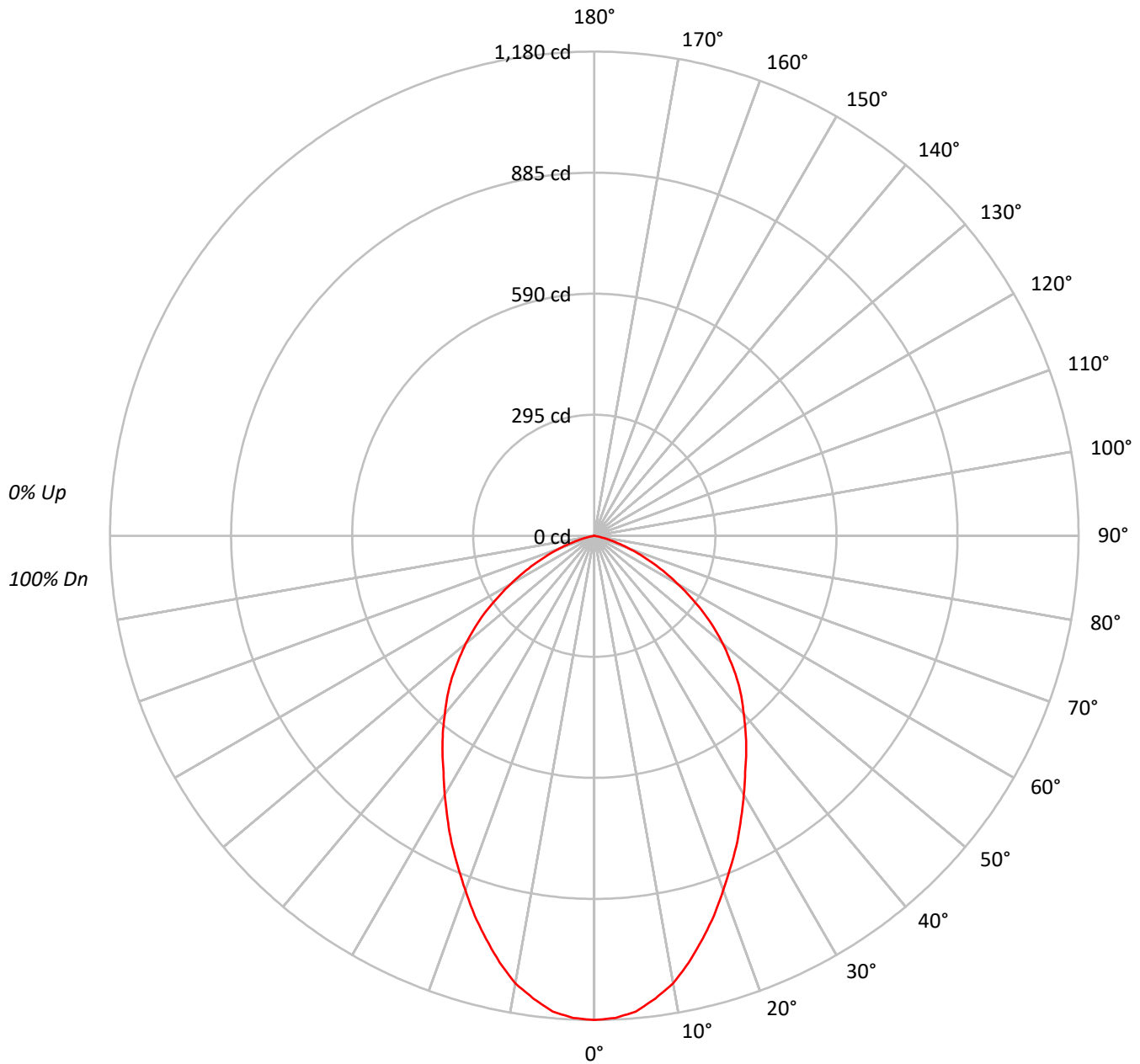
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	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			100
1	111	107	104	101	108	105	102	99		101	98	96			97	95	93			88
2	103	96	90	85	100	94	89	84		91	86	82			87	84	81			77
3	95	86	79	73	92	84	78	73		81	76	71			79	74	70			67
4	88	77	70	64	86	76	69	63		74	67	62			71	66	62			59
5	81	70	62	56	79	69	61	56		67	60	55			65	59	55			52
6	76	64	56	50	74	63	55	50		61	54	49			59	53	49			47
7	70	58	50	45	69	57	50	45		56	49	44			55	48	44			42
8	66	54	46	40	64	53	45	40		52	45	40			50	44	40			38
9	62	49	42	37	61	49	42	37		48	41	37			47	41	36			35
10	58	46	39	34	57	45	38	34		45	38	34			44	38	33			32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64688
5°	64043
10°	61650
15°	57747
20°	53601
25°	49829
30°	46134
35°	43165
40°	40519
45°	38081
50°	34865
55°	30948
60°	25765
65°	20262
70°	14233
75°	7667
80°	1200
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	5.4
10°-20°	285.4	14.0
20°-30°	378.4	18.5
30°-40°	403.6	19.8
40°-50°	377.3	18.5
50°-60°	287.7	14.1
60°-70°	156.5	7.7
70°-80°	42.0	2.1
80°-90°	0.5	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°	773.0	37.9
0°-40°	1176.6	57.7
0°-60°	1841.6	90.3
0°-90°	2040.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1180	
5°	1164	109
15°	1018	285
25°	824	378
35°	645	404
45°	491	377
55°	324	288
65°	156	156
75°	36	42
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1180.0
2.5°	1176.2
5°	1163.8
7.5°	1137.5
10°	1107.5
12.5°	1065.0
15°	1017.5
17.5°	970.0
20°	918.8
22.5°	870.0
25°	823.8
27.5°	775.0
30°	728.8
32.5°	683.8
35°	645.0
37.5°	606.2
40°	566.2
42.5°	530.0
45°	491.2
47.5°	448.8
50°	408.8
52.5°	366.2
55°	323.8
57.5°	277.5
60°	235.0
62.5°	195.0
65°	156.2
67.5°	121.2
70°	88.8
72.5°	61.2
75°	36.2
77.5°	16.2
80°	3.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)