

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: P407601

Luminaire Tested: **LE_6B15D010 EC6B10208035 6LBM3LI**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P407601
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35151)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B15D010 EC6B10208035 6LBM3LI
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

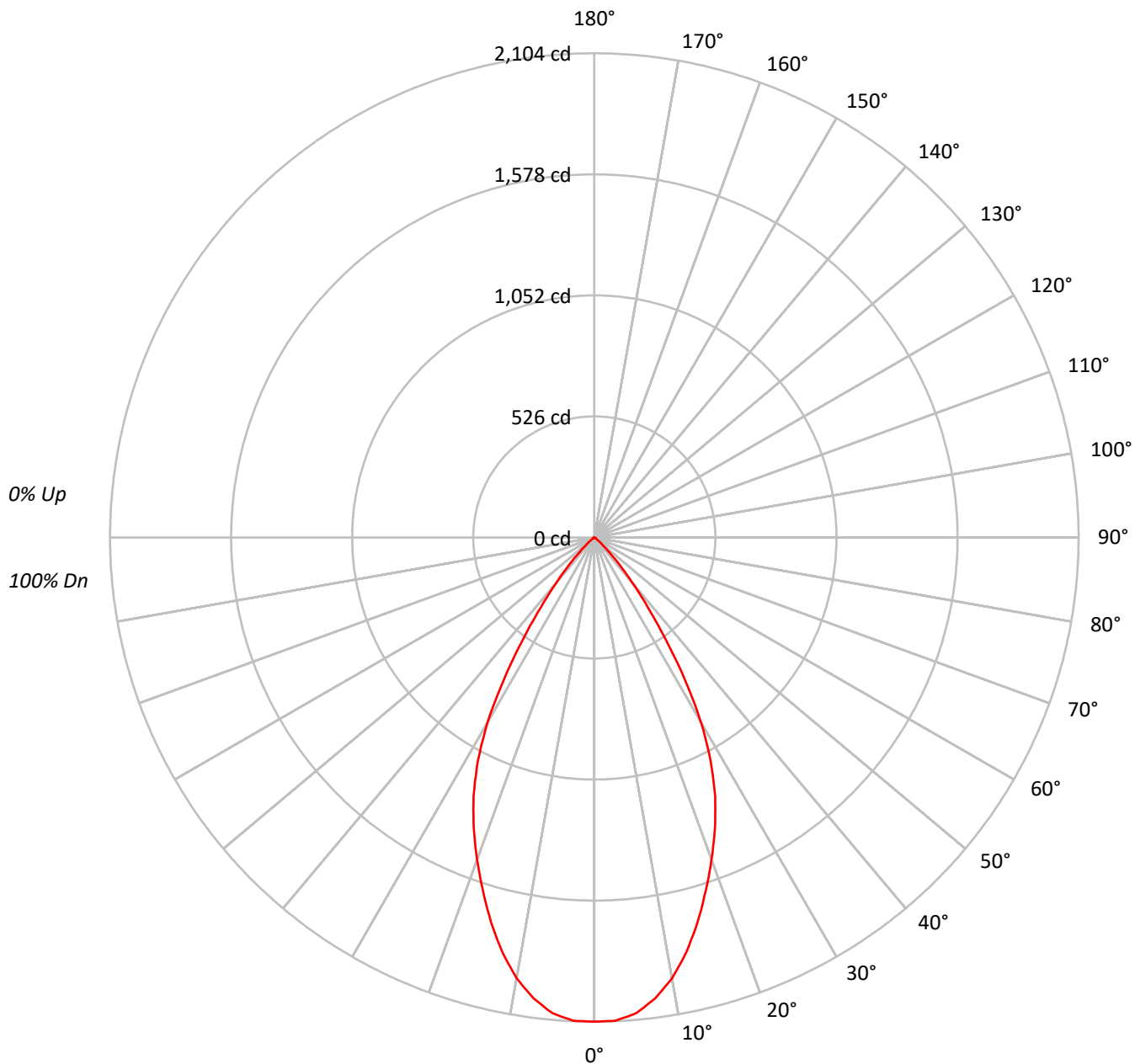
Lumens per Lamp: N/A
Luminaire Lumens: 1681.2 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Circular (Dia: 1.12' x H: 0')
CIE Type: Direct

Input Watts (W): 14.3
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	85	81	96	89	84	81	87	83	80		85	82	79		83
5	93	85	79	75	91	84	79	75	82	78	74		81	77	73		79
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75
7	84	75	69	65	83	75	69	65	73	68	65		72	68	64		71
8	80	71	65	61	79	70	65	61	69	64	61		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	22784
5°	22566
10°	21386
15°	19416
20°	17156
25°	14832
30°	11594
35°	7111
40°	3648
45°	1449
50°	472
55°	162
60°	141
65°	108
70°	66
75°	88
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.8	11.5
10°-20°	482.6	28.7
20°-30°	560.9	33.4
30°-40°	343.5	20.4
40°-50°	85.3	5.1
50°-60°	10.0	0.6
60°-70°	3.6	0.2
70°-80°	1.4	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°	1237.3	73.6
0°-40°	1580.9	94.0
0°-60°	1676.2	99.7
0°-90°	1681.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1681.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2104	
5°	2076	194
15°	1732	483
25°	1241	561
35°	538	344
45°	95	85
55°	9	10
65°	4	4
75°	2	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2104.0
2.5°	2101.9
5°	2076.0
7.5°	2020.1
10°	1944.9
12.5°	1845.9
15°	1731.9
17.5°	1609.2
20°	1488.8
22.5°	1368.2
25°	1241.4
27.5°	1095.0
30°	927.2
32.5°	731.5
35°	537.9
37.5°	378.6
40°	258.1
42.5°	161.4
45°	94.6
47.5°	53.8
50°	28.0
52.5°	12.9
55°	8.6
57.5°	6.5
60°	6.5
62.5°	4.2
65°	4.2
67.5°	2.1
70°	2.1
72.5°	2.1
75°	2.1
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)