

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: P407603

Luminaire Tested: **LE_6B15D010 EC6B10208035 6LBW3LI**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P407603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35119)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B15D010 EC6B10208035 6LBW3LI
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

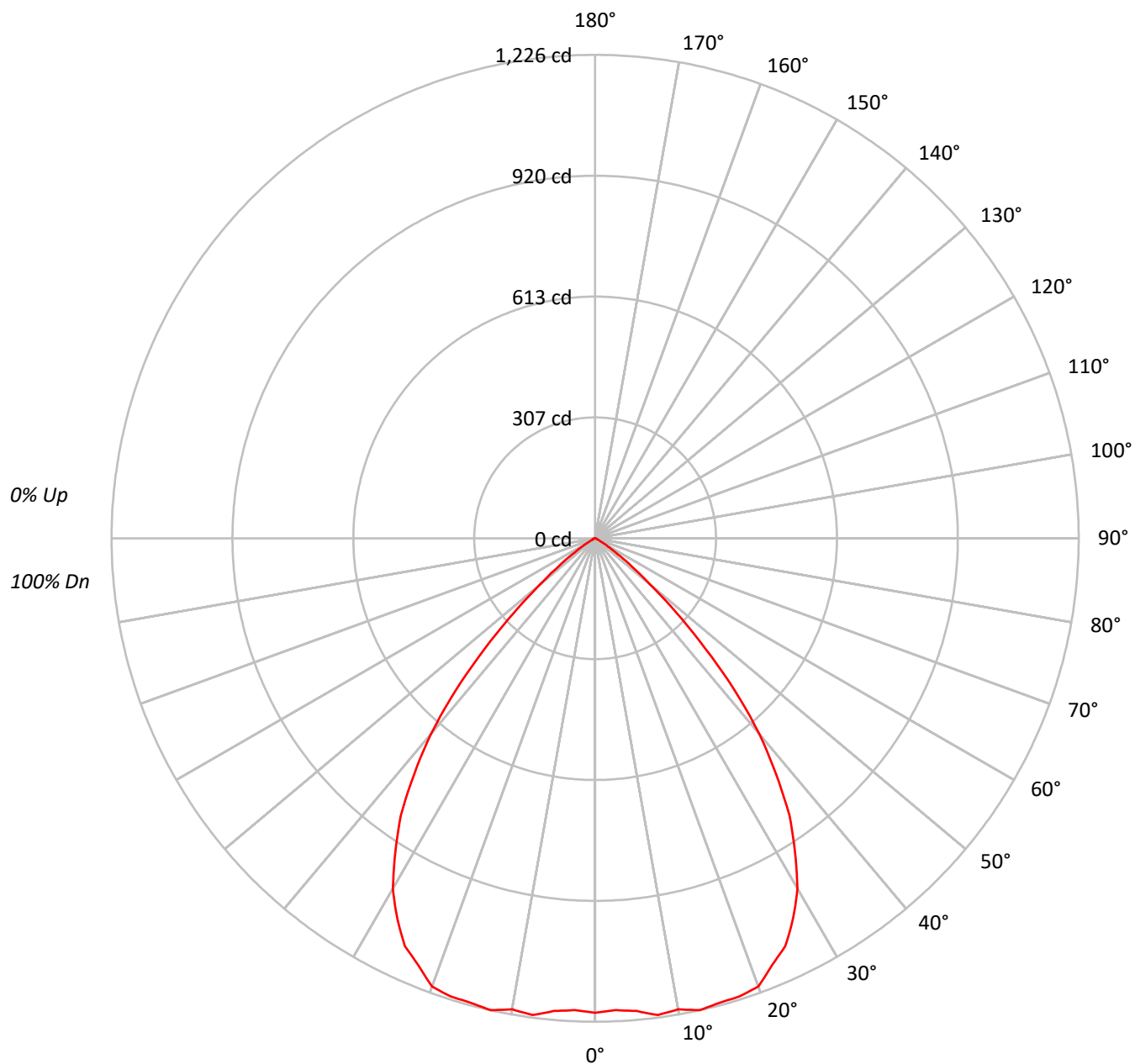
Lumens per Lamp: N/A
Luminaire Lumens: 1898.7 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.17
Luminous Opening: Circular (Dia: 1.12' x H: 0')
CIE Type: Direct

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	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	104	110	107	105	103		103	101	99		100	98	97		96	95	94
2	106	101	96	92	104	99	95	91		95	92	89		92	90	87		90	87	85
3	100	92	87	82	98	91	86	81		88	84	80		86	82	79		83	80	77
4	93	85	78	74	92	84	78	73		81	76	72		79	75	71		77	74	70
5	88	78	71	66	86	77	71	66		75	70	65		73	69	65		72	68	64
6	82	72	65	60	81	71	65	60		70	64	60		68	63	59		67	62	59
7	77	67	60	55	76	66	59	55		65	59	54		63	58	54		62	57	54
8	73	62	55	50	71	61	55	50		60	54	50		59	54	50		58	53	49
9	69	58	51	46	67	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	47	43	64	53	47	43		52	46	42		51	46	42		51	46	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	13032
5°	13082
10°	13340
15°	13670
20°	13939
25°	13633
30°	12826
35°	11357
40°	9147
45°	6043
50°	3076
55°	1320
60°	424
65°	190
70°	114
75°	105
80°	75
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	6.1
10°-20°	345.3	18.2
20°-30°	520.3	27.4
30°-40°	528.1	27.8
40°-50°	306.9	16.2
50°-60°	71.6	3.8
60°-70°	8.3	0.4
70°-80°	2.6	0.1
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°	981.2	51.7
0°-40°	1509.3	79.5
0°-60°	1887.7	99.4
0°-90°	1898.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1898.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1204	
5°	1204	116
15°	1219	345
25°	1141	520
35°	859	528
45°	395	307
55°	70	72
65°	7	8
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1203.5
2.5°	1197.4
5°	1203.5
7.5°	1219.4
10°	1213.2
12.5°	1225.5
15°	1219.4
17.5°	1218.1
20°	1209.6
22.5°	1171.6
25°	1141.0
27.5°	1087.0
30°	1025.8
32.5°	942.5
35°	859.1
37.5°	753.8
40°	647.1
42.5°	524.5
45°	394.6
47.5°	277.0
50°	182.6
52.5°	116.4
55°	69.9
57.5°	38.0
60°	19.6
62.5°	9.8
65°	7.4
67.5°	4.9
70°	3.6
72.5°	3.6
75°	2.5
77.5°	1.2
80°	1.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)