

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: P205390

Luminaire Tested: **LE_6B15D010 EC6B10209050 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205390
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_6B15D010 EC6B10209050 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR 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: 1721.2 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

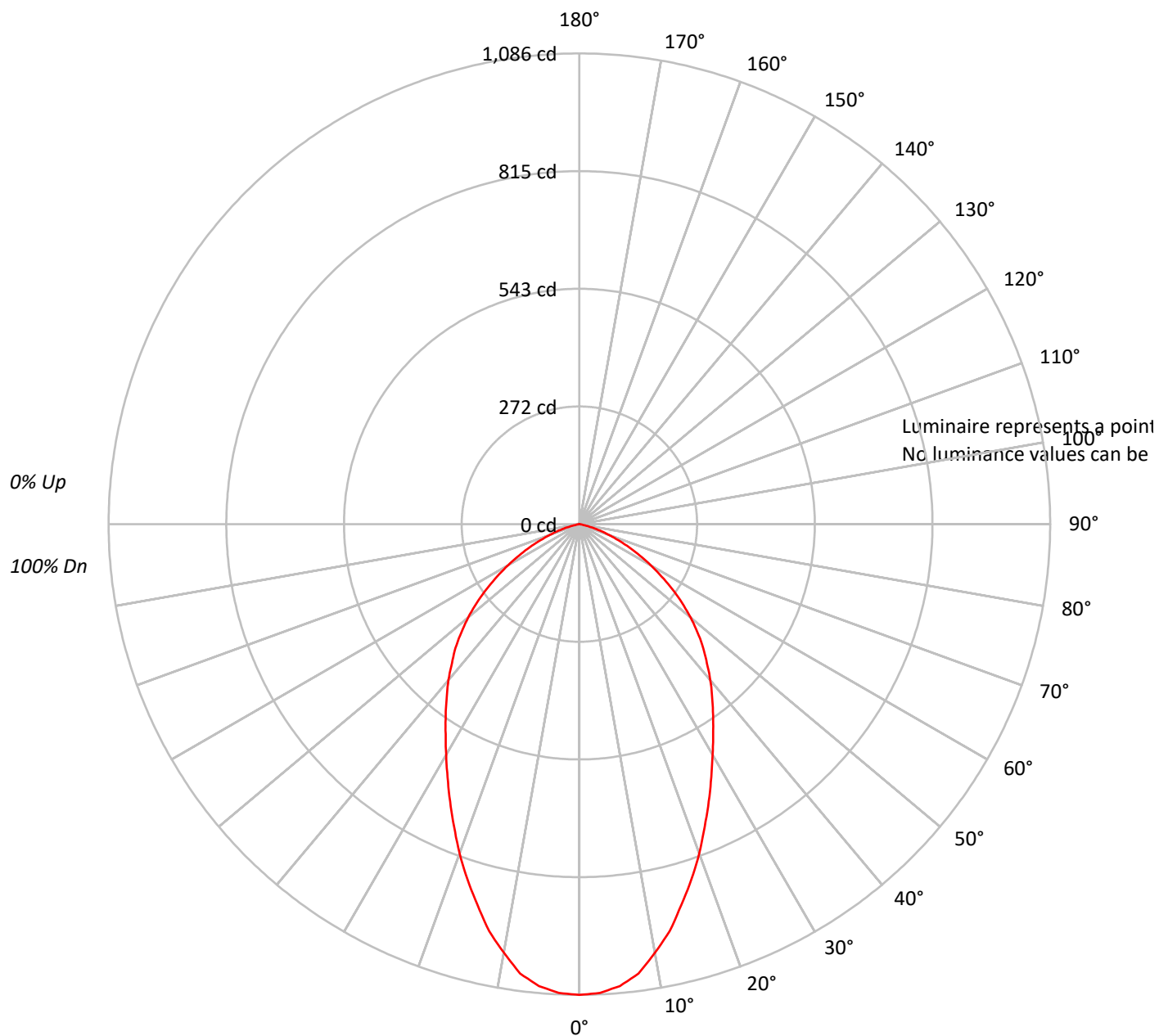
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





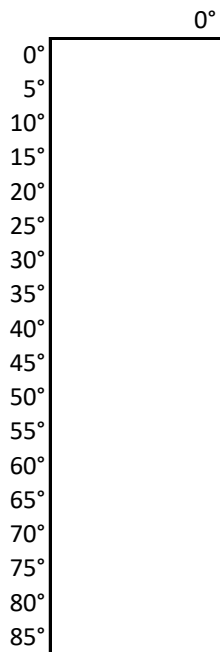
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	111	107	104	101		109	105	102	99		101	99	96		97	95	93		94	92	91
2	103	96	91	86		100	94	89	85		91	87	83		88	84	81		85	82	79
3	95	86	79	74		93	85	78	73		82	76	72		79	75	71		77	73	70
4	88	78	70	64		86	77	69	64		74	68	63		72	67	62		70	65	62
5	82	71	63	57		80	70	62	57		67	61	56		66	60	55		64	59	55
6	76	64	56	51		74	63	56	51		62	55	50		60	54	50		59	53	49
7	71	59	51	46		70	58	51	45		57	50	45		55	49	45		54	49	45
8	67	54	47	41		65	54	46	41		52	46	41		51	45	41		50	45	41
9	63	50	43	38		61	50	43	38		49	42	38		48	42	37		47	41	37
10	59	47	40	35		58	46	39	35		45	39	35		45	39	34		44	38	34

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	5.8
10°-20°	254.8	14.8
20°-30°	324.9	18.9
30°-40°	337.0	19.6
40°-50°	310.5	18.0
50°-60°	233.6	13.6
60°-70°	126.0	7.3
70°-80°	33.8	2.0
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°	679.9	39.5
0°-40°	1016.8	59.1
0°-60°	1560.9	90.7
0°-90°	1721.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1721.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1086	
5°	1070	100
15°	909	255
25°	706	325
35°	538	337
45°	404	310
55°	262	234
65°	126	126
75°	29	34
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1086.2
2.5°	1082.6
5°	1069.8
7.5°	1046.0
10°	1004.0
12.5°	961.9
15°	908.9
17.5°	859.5
20°	808.2
22.5°	755.2
25°	705.9
27.5°	658.4
30°	614.4
32.5°	574.2
35°	537.6
37.5°	502.9
40°	470.0
42.5°	435.2
45°	404.1
47.5°	369.4
50°	334.6
52.5°	298.1
55°	261.5
57.5°	224.9
60°	190.1
62.5°	157.2
65°	126.1
67.5°	96.9
70°	71.4
72.5°	49.4
75°	29.2
77.5°	12.8
80°	3.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)