

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: P35093

Luminaire Tested: **LE_6B15D010 EC6B10208035 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P35093
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B15D010 EC6B10208035 6LBMWMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 1473.6 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89
Luminous Opening: Ellipsoidal Spheroid (W: 0.46' x L: 0.46' x H: 1')
CIE Type: Direct

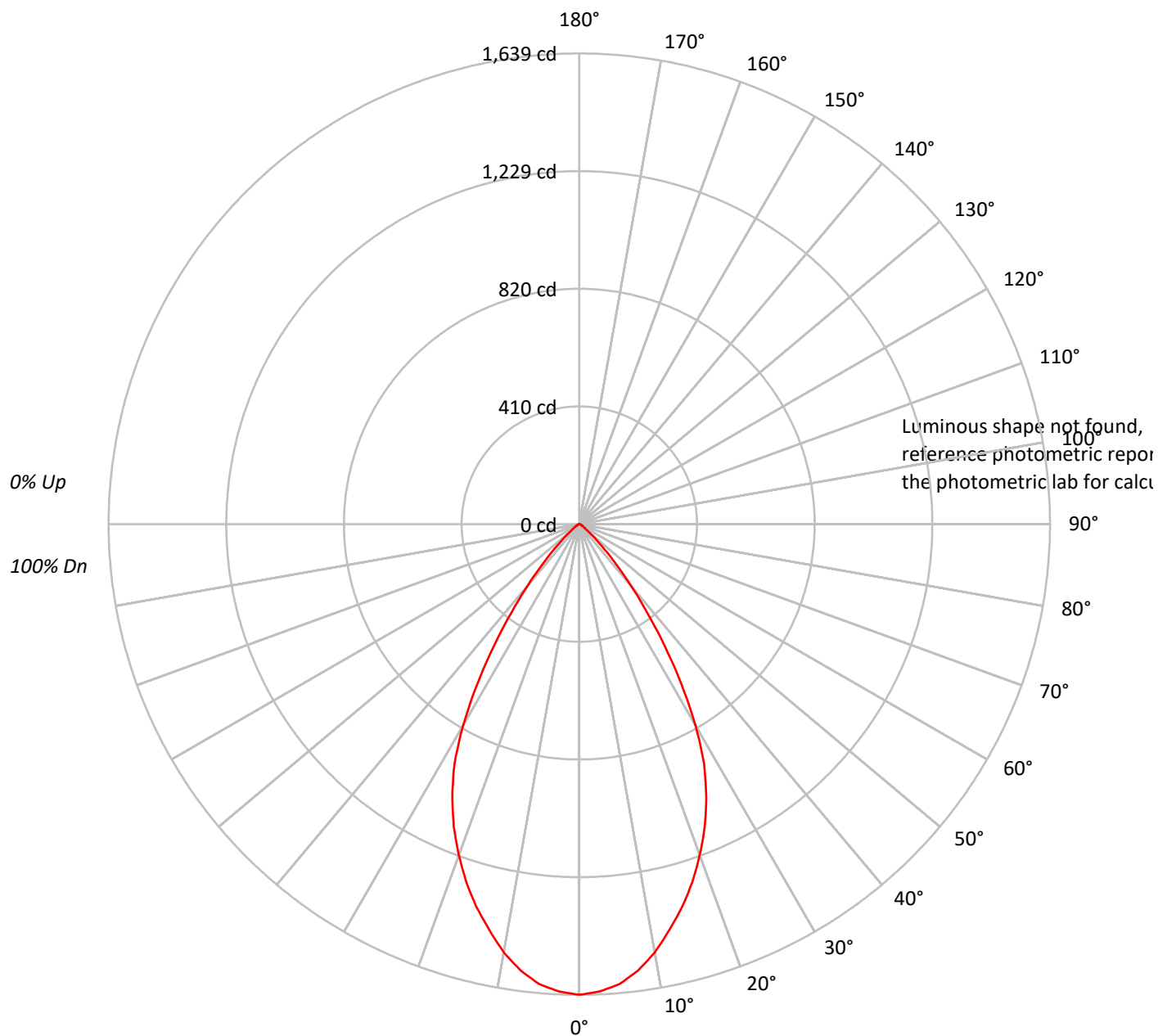
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





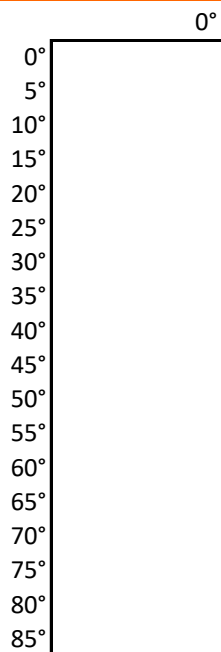
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82
5	92	83	77	73	90	82	77	73	80	76	72		79	75	71		77
6	87	78	72	67	85	77	71	67	76	71	67		74	70	66		73
7	83	73	67	63	81	72	67	63	71	66	62		70	65	62		69
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		65
9	75	65	59	55	73	64	59	55	63	58	54		62	58	54		62
10	71	61	55	51	70	61	55	51	60	55	51		59	54	51		58

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	10.2
10°-20°	386.1	26.2
20°-30°	474.2	32.2
30°-40°	325.2	22.1
40°-50°	104.5	7.1
50°-60°	21.2	1.4
60°-70°	8.3	0.6
70°-80°	3.1	0.2
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°	1010.7	68.6
0°-40°	1335.9	90.7
0°-60°	1461.6	99.2
0°-90°	1473.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1473.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1639	
5°	1608	150
15°	1381	386
25°	1046	474
35°	519	325
45°	124	105
55°	21	21
65°	9	8
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1638.8
2.5°	1628.8
5°	1607.5
7.5°	1567.5
10°	1513.8
12.5°	1447.5
15°	1381.2
17.5°	1307.5
20°	1226.2
22.5°	1141.2
25°	1046.2
27.5°	941.2
30°	808.8
32.5°	662.5
35°	518.8
37.5°	387.5
40°	278.8
42.5°	190.0
45°	123.8
47.5°	76.2
50°	46.2
52.5°	28.8
55°	21.2
57.5°	16.2
60°	12.5
62.5°	10.0
65°	8.8
67.5°	6.2
70°	5.0
72.5°	3.8
75°	2.5
77.5°	2.5
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)