

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: P204057

Luminaire Tested: **LE_6B15D010 EC6B10209727 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204057
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 EC6B10209727 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE 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: 944.5 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

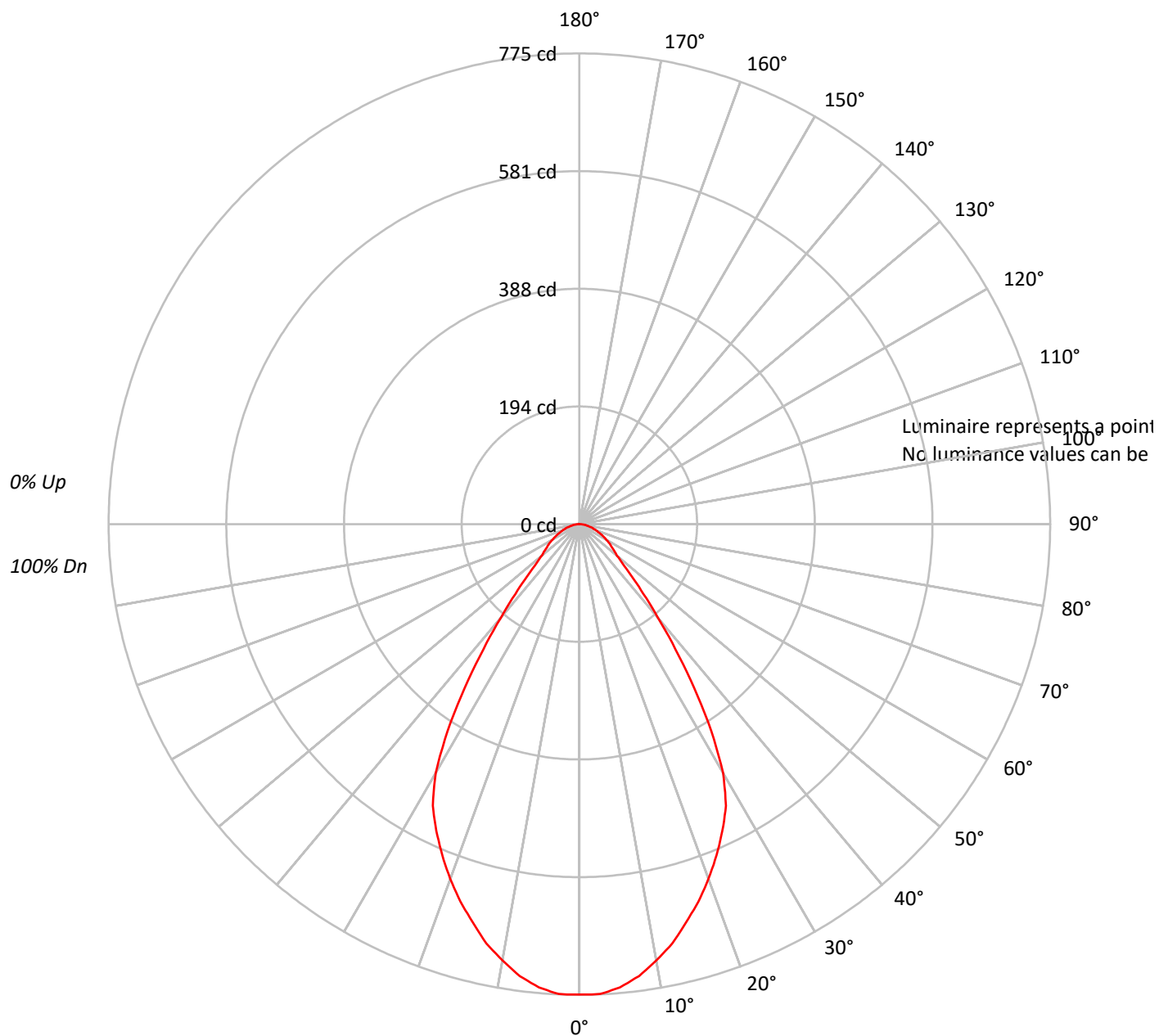
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





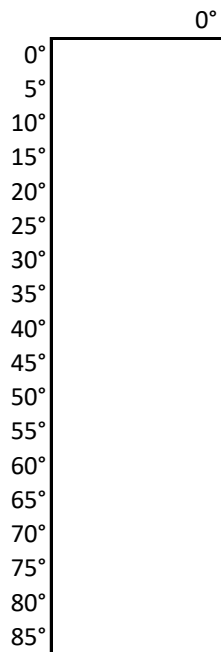
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	108	105	103	109	106	103	101	102	100	98		98	97	95		95
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88
3	98	90	84	79	96	89	83	79	86	81	77		84	80	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	81	71	64	59	80	70	63	59	68	63	58		67	62	58		66
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	47	43	64	54	47	43	53	47	43		52	46	43		51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	7.6
10°-20°	190.7	20.2
20°-30°	254.6	27.0
30°-40°	205.4	21.7
40°-50°	98.4	10.4
50°-60°	58.3	6.2
60°-70°	38.8	4.1
70°-80°	20.8	2.2
80°-90°	5.7	0.6
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°	517.2	54.8
0°-40°	722.6	76.5
0°-60°	879.3	93.1
0°-90°	944.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	944.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	775	
5°	766	72
15°	679	191
25°	557	255
35°	329	205
45°	122	98
55°	64	58
65°	39	39
75°	20	21
85°	4	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	774.6
2.5°	774.6
5°	765.6
7.5°	750.6
10°	729.6
12.5°	707.1
15°	678.6
17.5°	651.5
20°	621.5
22.5°	590.0
25°	557.0
27.5°	522.5
30°	472.9
32.5°	403.9
35°	328.8
37.5°	259.8
40°	201.1
42.5°	156.1
45°	121.6
47.5°	96.1
50°	81.1
52.5°	72.0
55°	64.5
57.5°	58.5
60°	51.0
62.5°	45.0
65°	39.0
67.5°	33.0
70°	28.5
72.5°	24.0
75°	19.5
77.5°	15.0
80°	12.0
82.5°	9.0
85°	4.5
87.5°	1.5
90°	0.0



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— 0°-180°







(END OF REPORT)