

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: P204056

Luminaire Tested: **LE_6B15D010 EC6B10209050 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204056
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 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: 1152.4 lumens
Efficiency: N/A
Efficacy: 80.6 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

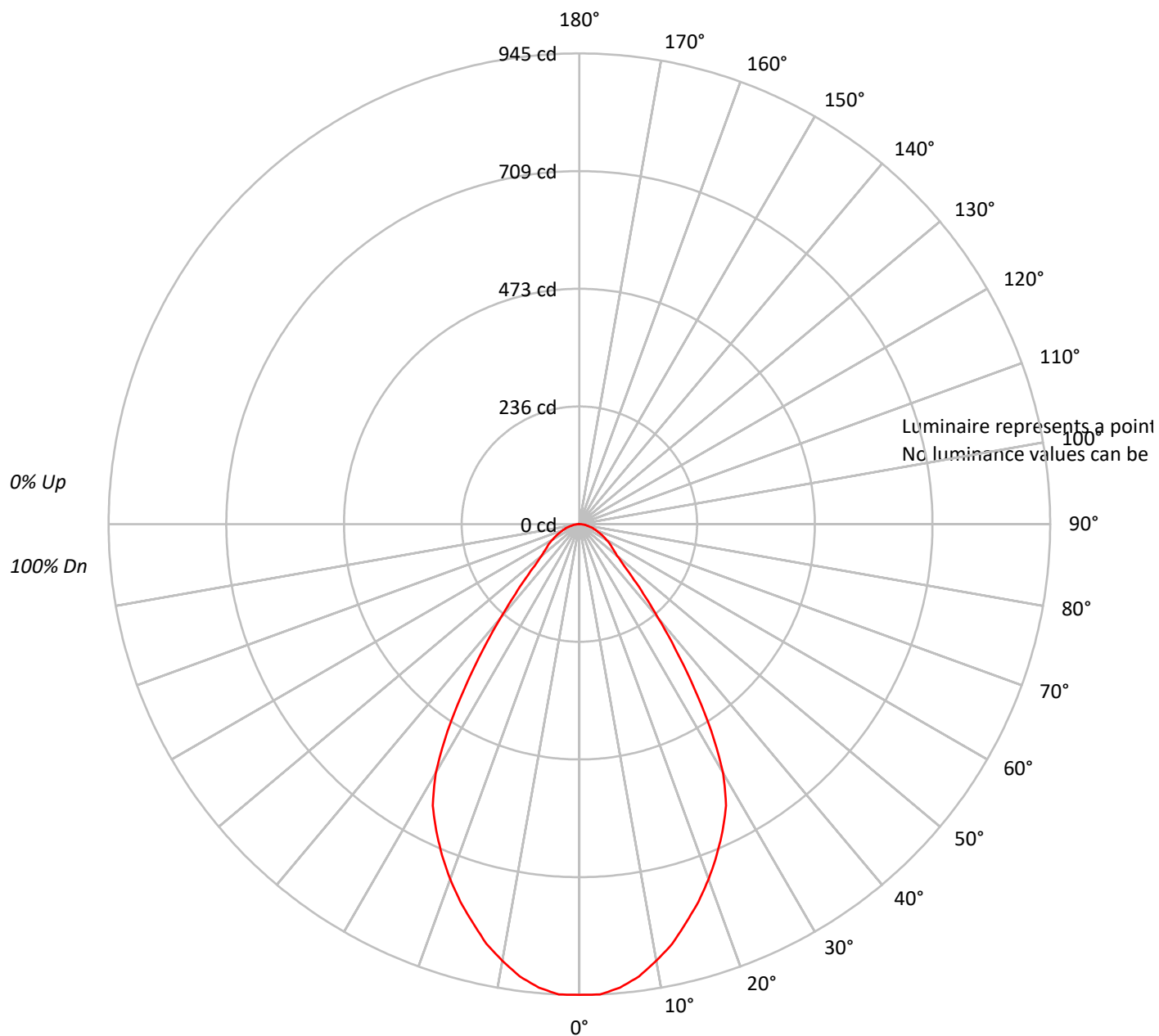
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





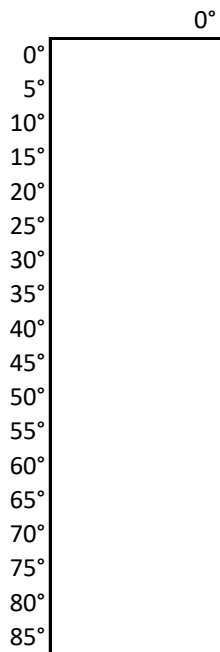
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90		
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56		
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51		
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47		
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	7.6
10°-20°	232.6	20.2
20°-30°	310.6	27.0
30°-40°	250.6	21.7
40°-50°	120.1	10.4
50°-60°	71.2	6.2
60°-70°	47.3	4.1
70°-80°	25.3	2.2
80°-90°	7.0	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°	630.9	54.8
0°-40°	881.5	76.5
0°-60°	1072.8	93.1
0°-90°	1152.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1152.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	945	
5°	934	88
15°	828	233
25°	680	311
35°	401	251
45°	148	120
55°	79	71
65°	48	47
75°	24	25
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	945.1
2.5°	945.1
5°	934.1
7.5°	915.8
10°	890.1
12.5°	862.6
15°	827.9
17.5°	794.9
20°	758.2
22.5°	719.9
25°	679.5
27.5°	637.4
30°	577.0
32.5°	492.8
35°	401.1
37.5°	316.9
40°	245.4
42.5°	190.5
45°	148.4
47.5°	117.2
50°	98.9
52.5°	87.9
55°	78.8
57.5°	71.4
60°	62.2
62.5°	55.0
65°	47.6
67.5°	40.2
70°	34.8
72.5°	29.2
75°	23.8
77.5°	18.4
80°	14.6
82.5°	11.0
85°	5.5
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)