

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: P202749

Luminaire Tested: **LE_6B40D010 EC6B30508040 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202749
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_6B40D010 EC6B30508040 6LBWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4784.4 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

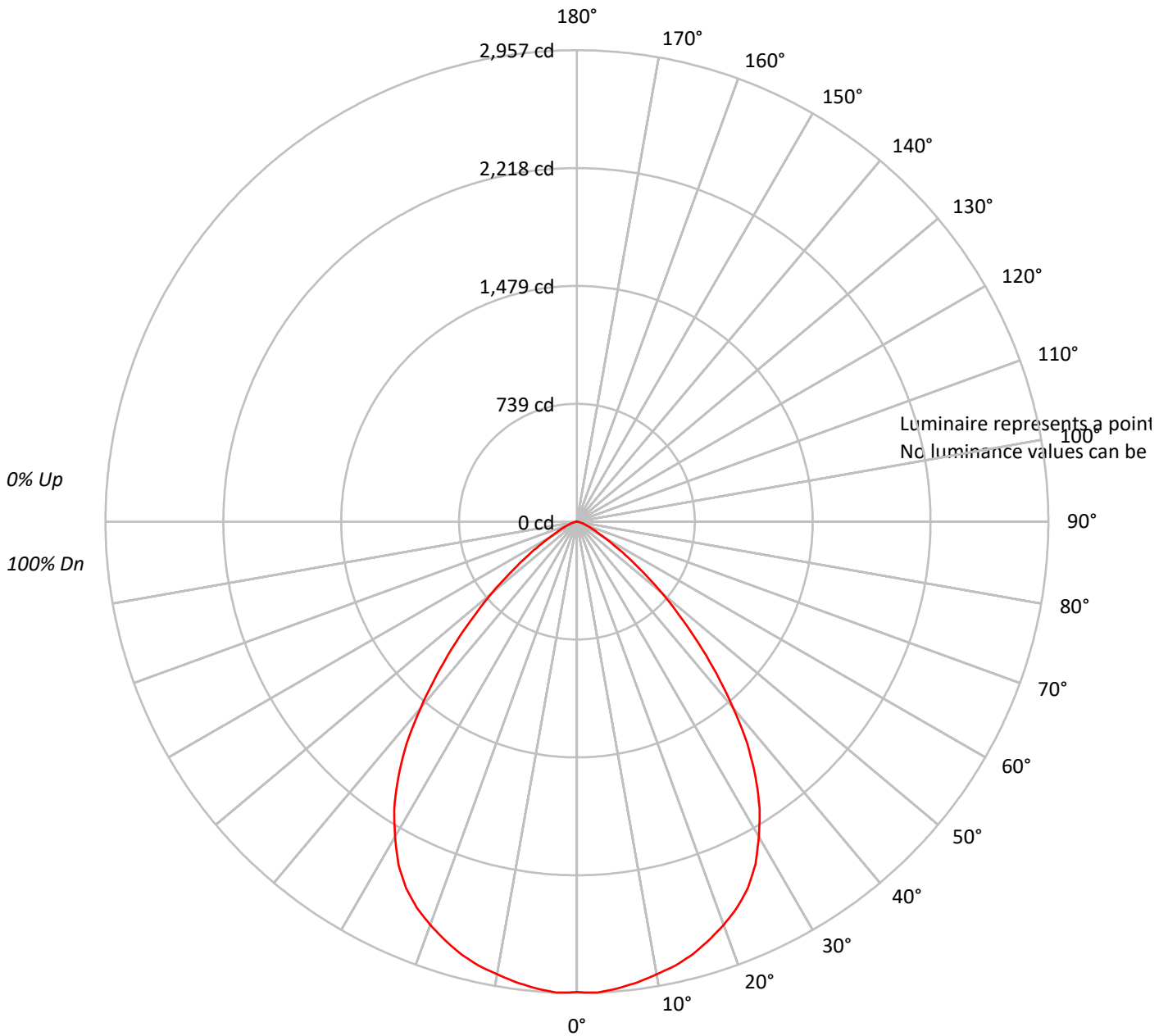
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91																			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81																			
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73																			
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65																			
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59																			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53																			
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49																			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44																			
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41																			
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.7	5.8
10°-20°	790.9	16.5
20°-30°	1159.6	24.2
30°-40°	1206.8	25.2
40°-50°	835.0	17.5
50°-60°	363.5	7.6
60°-70°	111.5	2.3
70°-80°	33.4	0.7
80°-90°	5.1	0.1
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°	2229.1	46.6
0°-40°	3436.0	71.8
0°-60°	4634.5	96.9
0°-90°	4784.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4784.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2951	
5°	2938	279
15°	2808	791
25°	2536	1160
35°	1953	1207
45°	1079	835
55°	391	364
65°	105	111
75°	31	33
85°	6	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2951.0
2.5°	2957.1
5°	2938.5
7.5°	2913.8
10°	2882.8
12.5°	2851.8
15°	2808.4
17.5°	2752.6
20°	2690.6
22.5°	2622.4
25°	2535.6
27.5°	2424.0
30°	2281.4
32.5°	2132.6
35°	1952.9
37.5°	1754.5
40°	1525.1
42.5°	1295.8
45°	1078.8
47.5°	874.1
50°	694.4
52.5°	527.0
55°	390.6
57.5°	279.0
60°	192.1
62.5°	142.6
65°	105.4
67.5°	80.6
70°	55.8
72.5°	43.4
75°	31.0
77.5°	18.6
80°	12.4
82.5°	6.2
85°	6.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)