

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: P202980

Luminaire Tested: **LE_6B60D010R EC6B60708035 6LBWGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202980
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_6B60D010R EC6B60708035 6LBWGPH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTIONWITH GRAPHITE HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5096.4 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

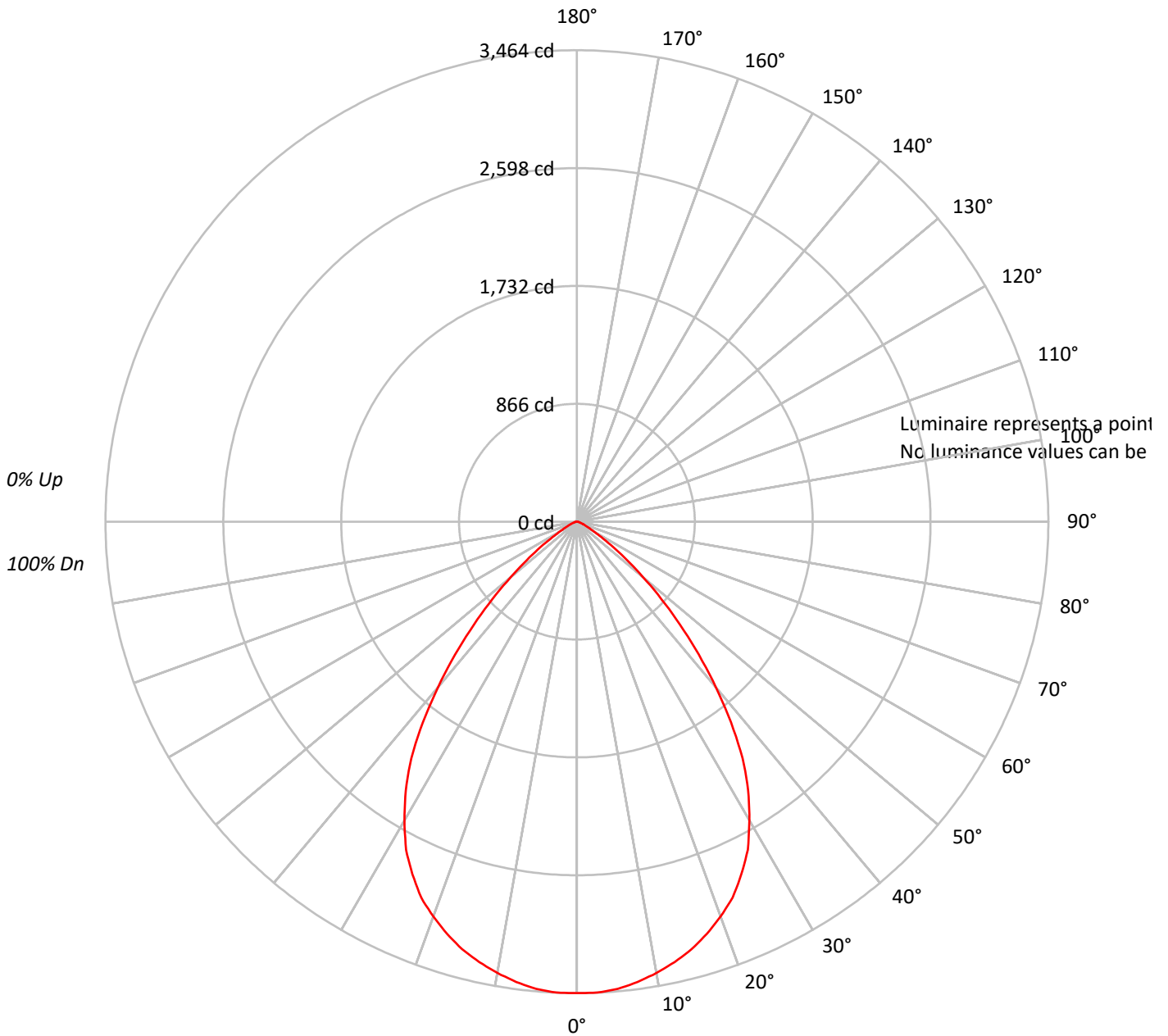
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82																			
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74																			
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67																			
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61																			
6	81	71	64	59	80	70	63	59	68	62	58	67	62	58	65	61	57	56																			
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51																			
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	47																			
9	68	57	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43																			
10	64	53	46	42	63	52	46	42	51	45	41	51	45	41	50	45	41	40																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.3	6.4
10°-20°	915.1	18.0
20°-30°	1309.2	25.7
30°-40°	1304.9	25.6
40°-50°	831.1	16.3
50°-60°	306.5	6.0
60°-70°	76.6	1.5
70°-80°	23.0	0.5
80°-90°	3.6	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°	2550.6	50.0
0°-40°	3855.5	75.7
0°-60°	4993.1	98.0
0°-90°	5096.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5096.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3464	
5°	3446	326
15°	3253	915
25°	2859	1309
35°	2122	1305
45°	1070	831
55°	324	306
65°	70	77
75°	18	23
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3463.9
2.5°	3463.9
5°	3446.2
7.5°	3411.2
10°	3367.4
12.5°	3314.8
15°	3253.4
17.5°	3174.4
20°	3086.8
22.5°	2990.2
25°	2858.8
27.5°	2718.4
30°	2534.2
32.5°	2341.4
35°	2122.1
37.5°	1859.0
40°	1587.2
42.5°	1324.1
45°	1069.9
47.5°	841.9
50°	631.4
52.5°	464.8
55°	324.5
57.5°	210.5
60°	140.2
62.5°	96.5
65°	70.1
67.5°	52.6
70°	43.9
72.5°	26.2
75°	17.5
77.5°	17.5
80°	8.8
82.5°	8.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)