

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: P202967

Luminaire Tested: **LE_6B50D010R EC6B30508035 6LBWGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202967
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_6B50D010R EC6B30508035 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: 4561.5 lumens
Efficiency: N/A
Efficacy: 77.6 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

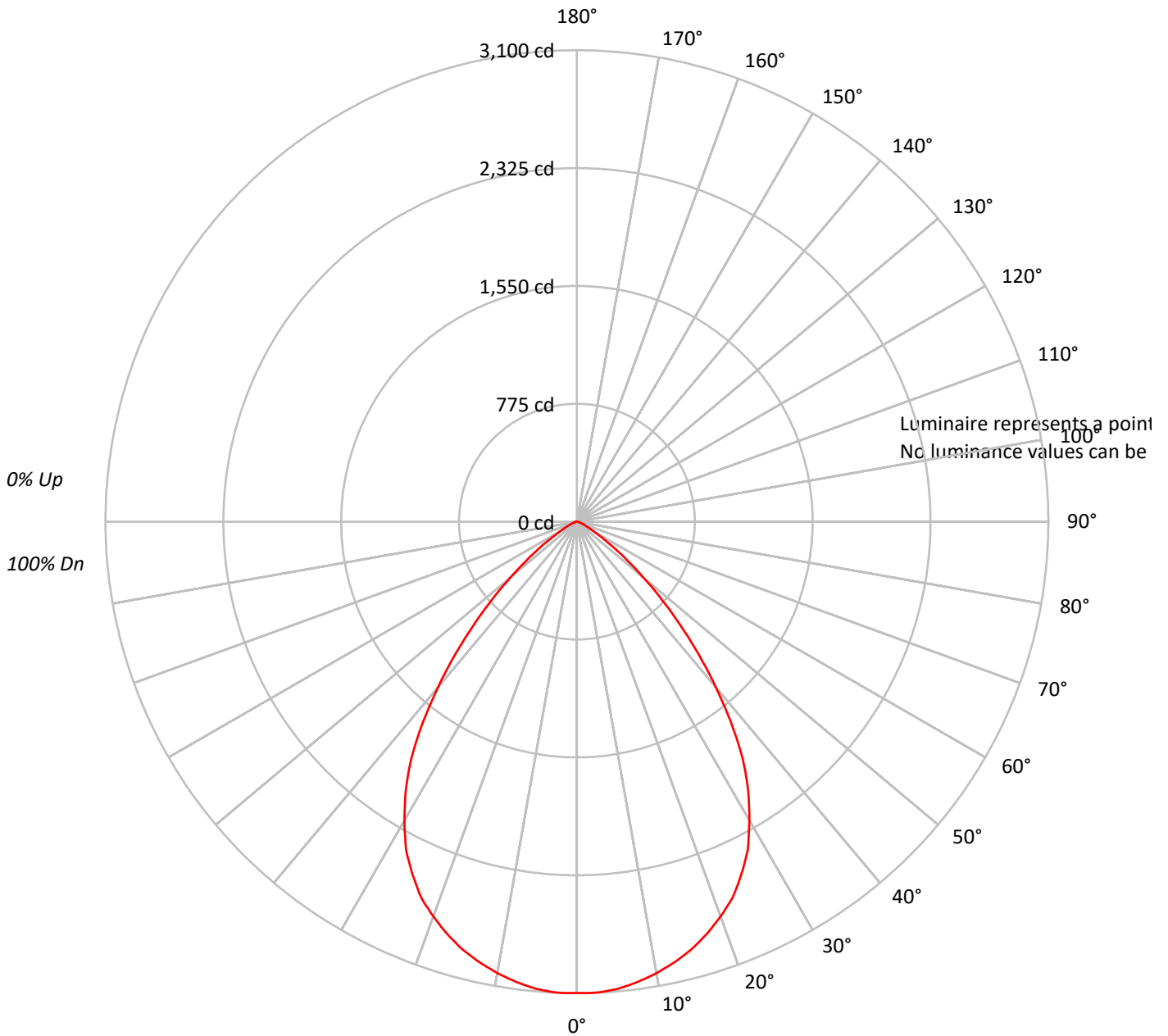
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	58	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°	292.1	6.4
10°-20°	819.0	18.0
20°-30°	1171.7	25.7
30°-40°	1167.9	25.6
40°-50°	743.9	16.3
50°-60°	274.3	6.0
60°-70°	68.6	1.5
70°-80°	20.7	0.5
80°-90°	3.2	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°	2282.8	50.0
0°-40°	3450.7	75.6
0°-60°	4468.9	98.0
0°-90°	4561.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4561.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3100	
5°	3084	292
15°	2912	819
25°	2559	1172
35°	1899	1168
45°	958	744
55°	290	274
65°	63	69
75°	16	21
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3100.1
2.5°	3100.1
5°	3084.5
7.5°	3053.1
10°	3013.9
12.5°	2966.8
15°	2911.8
17.5°	2841.1
20°	2762.6
22.5°	2676.4
25°	2558.6
27.5°	2433.0
30°	2268.2
32.5°	2095.5
35°	1899.4
37.5°	1663.9
40°	1420.6
42.5°	1185.1
45°	957.5
47.5°	753.5
50°	565.1
52.5°	416.0
55°	290.4
57.5°	188.4
60°	125.6
62.5°	86.4
65°	62.8
67.5°	47.1
70°	39.2
72.5°	23.5
75°	15.8
77.5°	15.8
80°	7.9
82.5°	7.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)