

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: P202564

Luminaire Tested: **LE_6B50D010R EC6B30509727 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202564
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 EC6B30509727 6LBSWMH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WARM HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5015.3 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

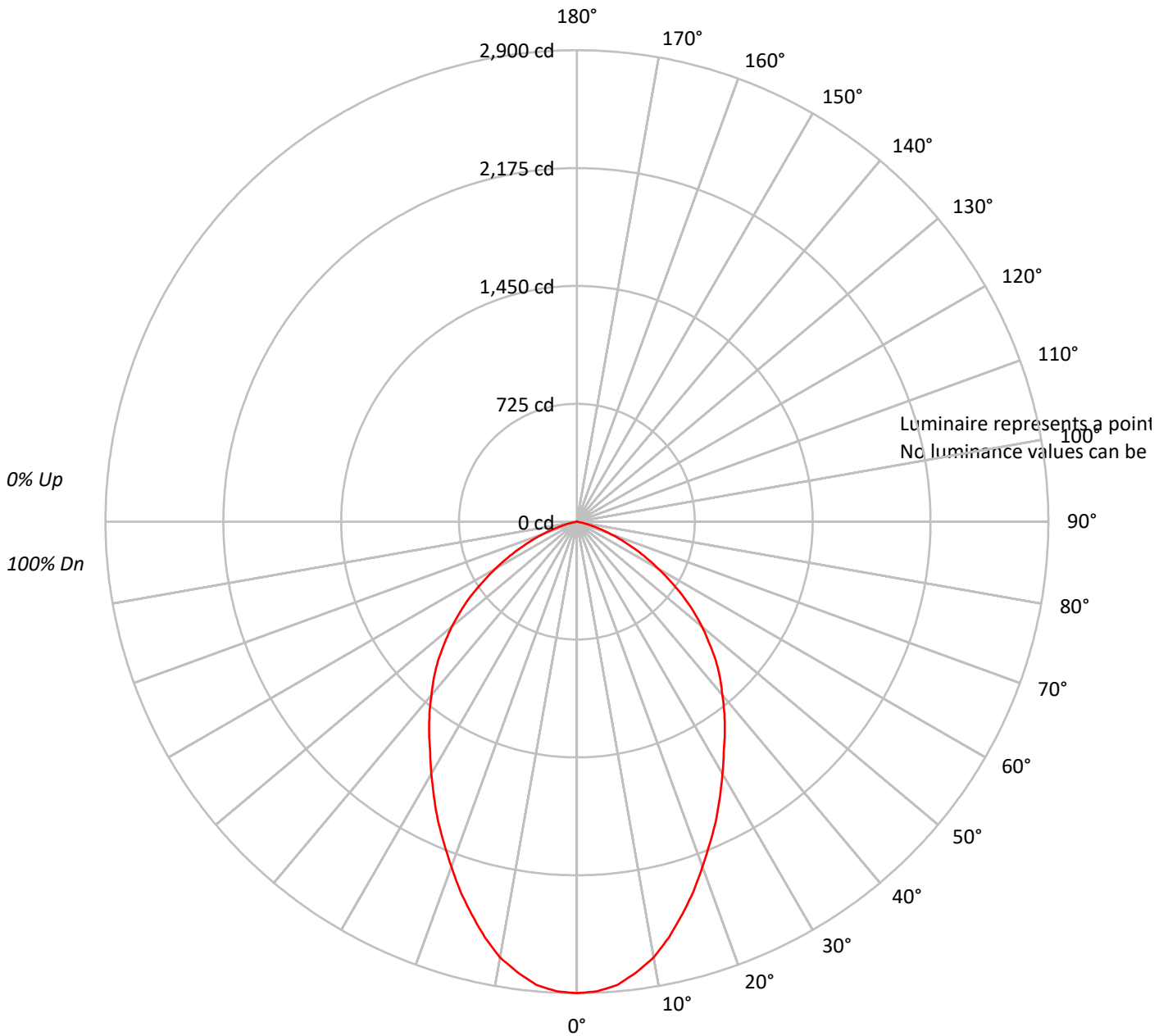
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88																			
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77																			
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67																			
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59																			
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52																			
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47																			
7	70	58	50	45	69	57	50	45	56	49	44	55	48	44	53	48	44	42																			
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38																			
9	62	49	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35																			
10	58	46	39	34	57	45	38	34	45	38	34	44	38	33	43	37	33	32																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.3	5.4
10°-20°	701.4	14.0
20°-30°	930.1	18.5
30°-40°	992.0	19.8
40°-50°	927.3	18.5
50°-60°	707.1	14.1
60°-70°	384.6	7.7
70°-80°	103.2	2.1
80°-90°	1.2	0.0
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°	1899.8	37.9
0°-40°	2891.8	57.7
0°-60°	4526.2	90.2
0°-90°	5015.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5015.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2900	
5°	2860	268
15°	2501	701
25°	2025	930
35°	1585	992
45°	1207	927
55°	796	707
65°	384	385
75°	89	103
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2900.1
2.5°	2890.9
5°	2860.2
7.5°	2795.8
10°	2722.0
12.5°	2617.5
15°	2500.8
17.5°	2384.0
20°	2258.0
22.5°	2138.2
25°	2024.6
27.5°	1904.8
30°	1791.1
32.5°	1680.5
35°	1585.2
37.5°	1490.0
40°	1391.8
42.5°	1302.6
45°	1207.4
47.5°	1102.9
50°	1004.6
52.5°	900.1
55°	795.8
57.5°	682.0
60°	577.6
62.5°	479.2
65°	384.0
67.5°	298.0
70°	218.1
72.5°	150.5
75°	89.1
77.5°	40.0
80°	9.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)