

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: P252812

Luminaire Tested: **LE_6B40D010 EC6B30509035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-2)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B40D010 EC6B30509035 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5755.0 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

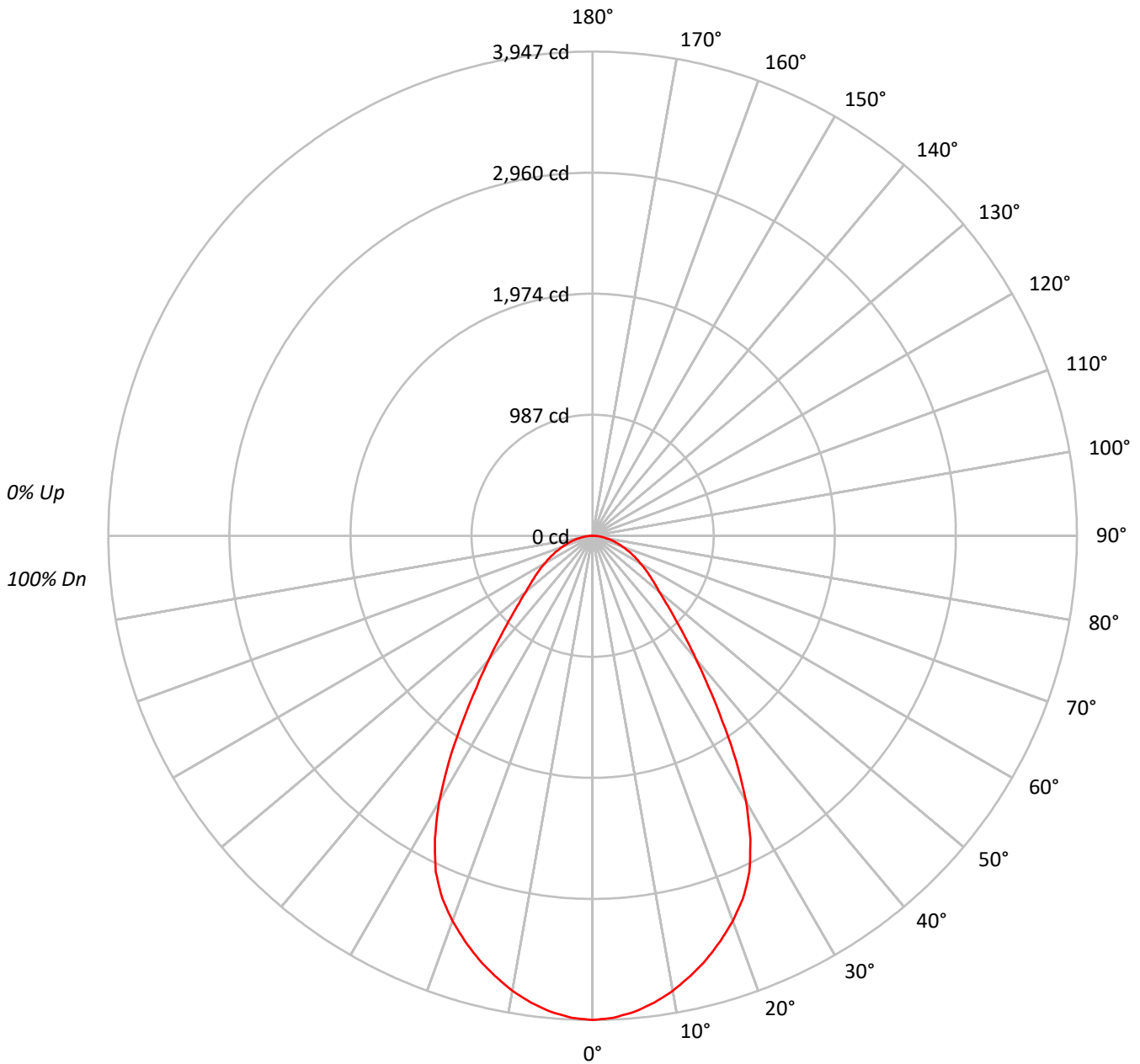
Input Watts (W): 43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	257518
5°	255155
10°	249539
15°	241611
20°	231854
25°	217654
30°	188341
35°	146641
40°	111465
45°	86876
50°	72062
55°	64675
60°	58873
65°	54339
70°	49939
75°	46255
80°	41854
85°	38251



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.7	6.4
10°-20°	1005.1	17.5
20°-30°	1368.9	23.8
30°-40°	1158.3	20.1
40°-50°	743.1	12.9
50°-60°	511.3	8.9
60°-70°	349.3	6.1
70°-80°	194.4	3.4
80°-90°	56.9	1.0
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°	2741.7	47.6
0°-40°	3900.0	67.8
0°-60°	5154.4	89.6
0°-90°	5755.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5755.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3947	
5°	3896	368
15°	3577	1005
25°	3024	1369
35°	1841	1158
45°	942	743
55°	569	511
65°	352	349
75°	184	194
85°	51	57
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3947.2
2.5°	3932.2
5°	3896.1
7.5°	3838.9
10°	3766.8
12.5°	3676.5
15°	3577.2
17.5°	3462.9
20°	3339.5
22.5°	3201.1
25°	3023.6
27.5°	2782.9
30°	2500.1
32.5°	2175.2
35°	1841.2
37.5°	1549.4
40°	1308.8
42.5°	1107.1
45°	941.6
47.5°	812.4
50°	710.0
52.5°	631.8
55°	568.6
57.5°	508.5
60°	451.2
62.5°	400.1
65°	352.0
67.5°	303.9
70°	261.8
72.5°	219.6
75°	183.5
77.5°	147.4
80°	111.4
82.5°	81.2
85°	51.1
87.5°	21.0
90°	0.0



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— 0°-180°







(END OF REPORT)