

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: P252799

Luminaire Tested: **LE_6B30D010 EC6B30509035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252799
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_6B30D010 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: 4071.2 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

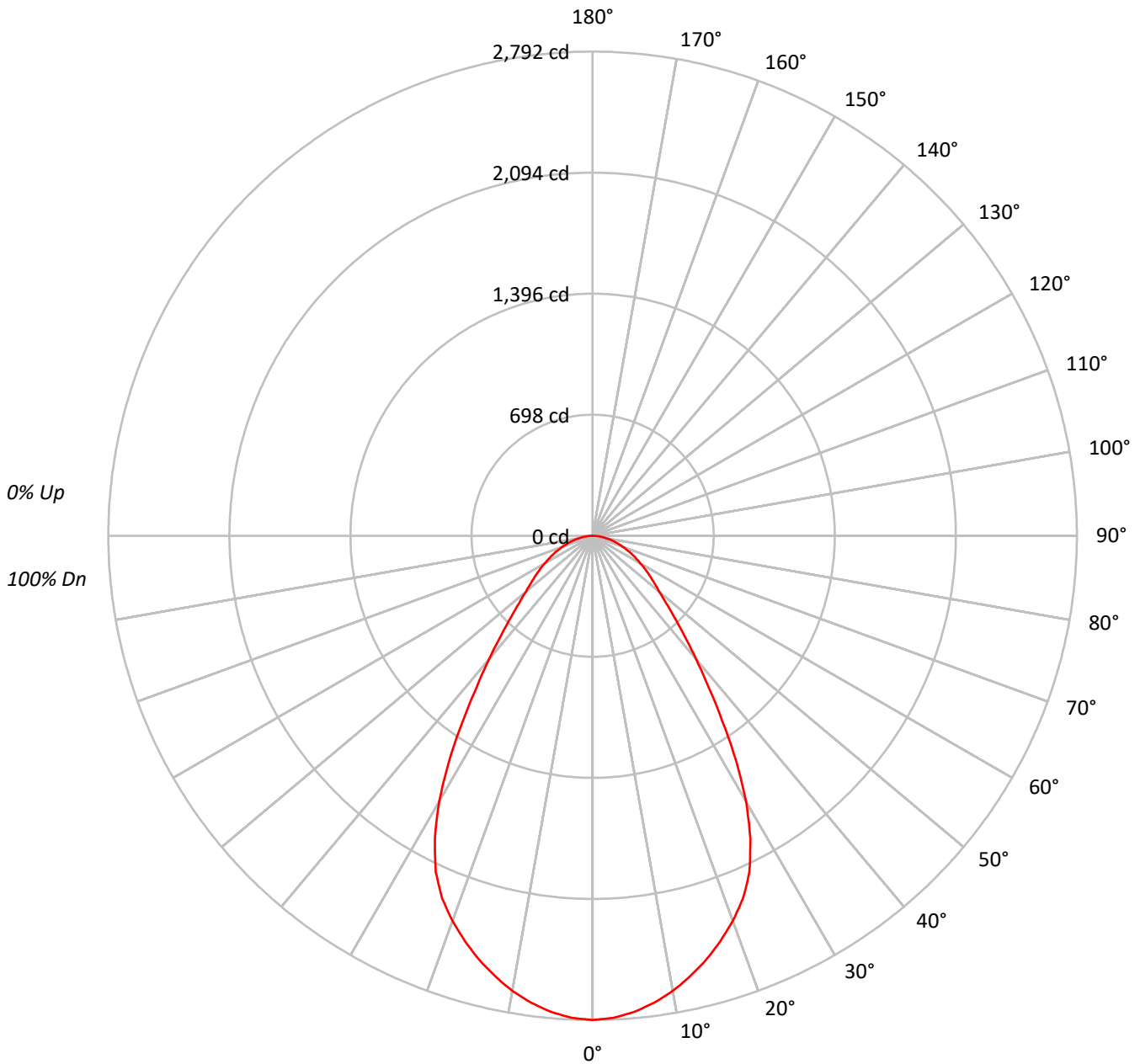
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	182178
5°	180503
10°	176535
15°	170922
20°	164023
25°	153976
30°	133235
35°	103736
40°	78855
45°	61457
50°	50971
55°	45748
60°	41650
65°	38439
70°	35308
75°	32744
80°	29606
85°	27023



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.2	6.4
10°-20°	711.0	17.5
20°-30°	968.4	23.8
30°-40°	819.4	20.1
40°-50°	525.6	12.9
50°-60°	361.7	8.9
60°-70°	247.1	6.1
70°-80°	137.5	3.4
80°-90°	40.2	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°	1939.6	47.6
0°-40°	2759.0	67.8
0°-60°	3646.4	89.6
0°-90°	4071.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4071.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2792	
5°	2756	260
15°	2531	711
25°	2139	968
35°	1302	819
45°	666	526
55°	402	362
65°	249	247
75°	130	138
85°	36	40
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2792.4
2.5°	2781.8
5°	2756.2
7.5°	2715.8
10°	2664.8
12.5°	2600.9
15°	2530.6
17.5°	2449.8
20°	2362.5
22.5°	2264.6
25°	2139.0
27.5°	1968.8
30°	1768.6
32.5°	1538.8
35°	1302.5
37.5°	1096.1
40°	925.9
42.5°	783.2
45°	666.1
47.5°	574.6
50°	502.2
52.5°	447.0
55°	402.2
57.5°	359.8
60°	319.2
62.5°	283.1
65°	249.0
67.5°	215.0
70°	185.1
72.5°	155.4
75°	129.9
77.5°	104.2
80°	78.8
82.5°	57.5
85°	36.1
87.5°	14.9
90°	0.0



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— 0°-180°







(END OF REPORT)