

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: P252803

Luminaire Tested: **LE_6B30D010 EC6B30509730 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252803
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 EC6B30509730 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3508.7 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

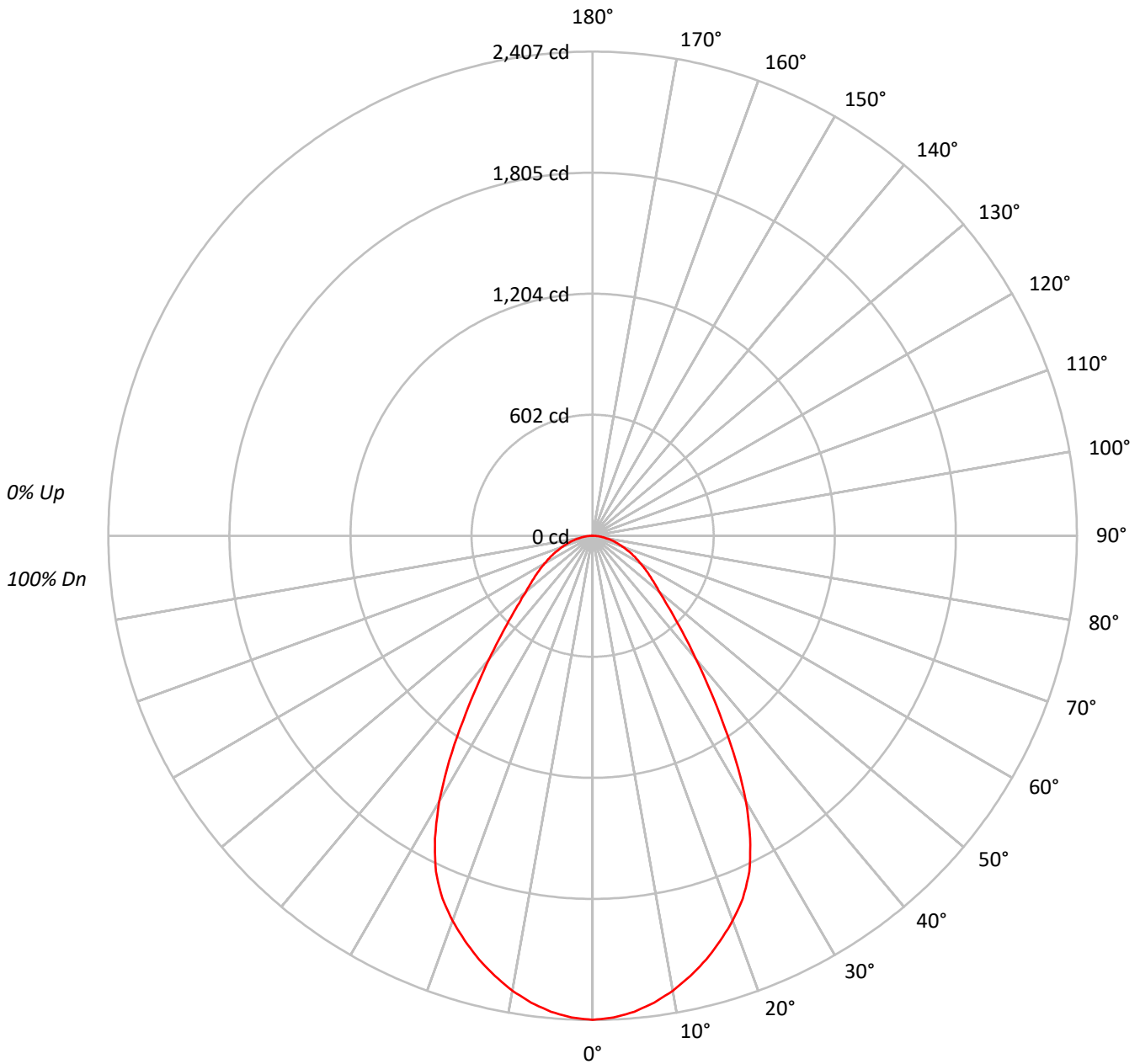
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	157008
5°	155565
10°	152136
15°	147309
20°	141355
25°	132704
30°	114823
35°	89408
40°	67954
45°	52969
50°	43938
55°	39424
60°	35895
65°	33128
70°	30444
75°	28207
80°	25510
85°	23280



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.2	6.4
10°-20°	612.8	17.5
20°-30°	834.6	23.8
30°-40°	706.2	20.1
40°-50°	453.0	12.9
50°-60°	311.7	8.9
60°-70°	213.0	6.1
70°-80°	118.5	3.4
80°-90°	34.7	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°	1671.6	47.6
0°-40°	2377.8	67.8
0°-60°	3142.5	89.6
0°-90°	3508.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3508.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2407	
5°	2375	224
15°	2181	613
25°	1844	835
35°	1123	706
45°	574	453
55°	347	312
65°	215	213
75°	112	119
85°	31	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2406.6
2.5°	2397.4
5°	2375.4
7.5°	2340.5
10°	2296.5
12.5°	2241.5
15°	2181.0
17.5°	2111.2
20°	2036.0
22.5°	1951.6
25°	1843.5
27.5°	1696.8
30°	1524.2
32.5°	1326.2
35°	1122.6
37.5°	944.6
40°	797.9
42.5°	675.0
45°	574.1
47.5°	495.2
50°	432.9
52.5°	385.2
55°	346.6
57.5°	310.0
60°	275.1
62.5°	244.0
65°	214.6
67.5°	185.2
70°	159.6
72.5°	133.9
75°	111.9
77.5°	89.9
80°	67.9
82.5°	49.5
85°	31.1
87.5°	12.9
90°	0.0



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— 0°-180°







(END OF REPORT)