

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: P252787

Luminaire Tested: **LE_6B20D010 EC6B10209040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252787
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_6B20D010 EC6B10209040 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2811.2 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

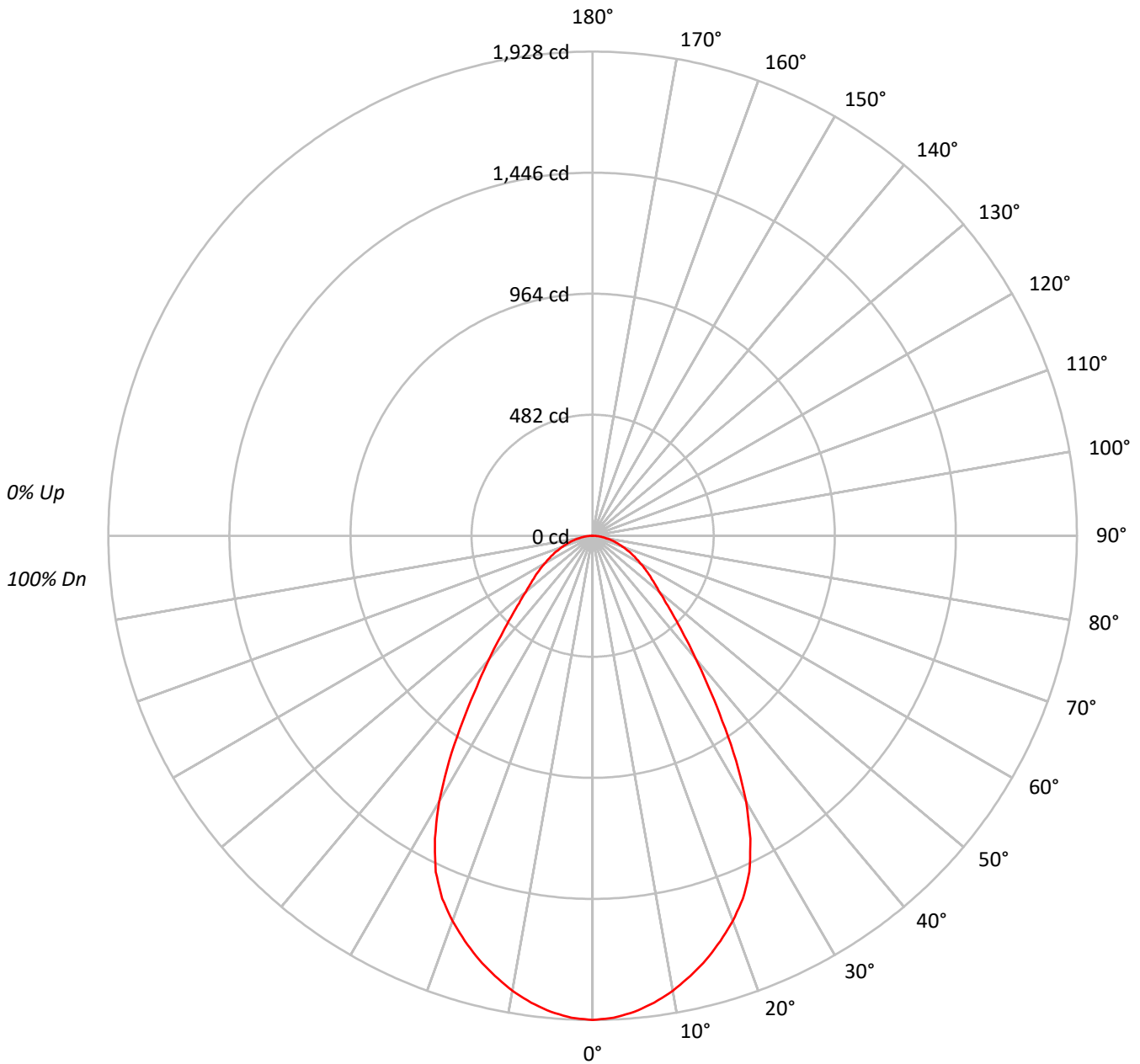
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			88
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			69
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	125790
5°	124640
10°	121895
15°	118023
20°	113264
25°	106322
30°	91997
35°	71632
40°	54438
45°	42442
50°	35209
55°	31598
60°	28771
65°	26552
70°	24397
75°	22586
80°	20438
85°	18714



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.6	6.4
10°-20°	491.0	17.5
20°-30°	668.7	23.8
30°-40°	565.8	20.1
40°-50°	363.0	12.9
50°-60°	249.8	8.9
60°-70°	170.7	6.1
70°-80°	94.9	3.4
80°-90°	27.7	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°	1339.3	47.6
0°-40°	1905.1	67.8
0°-60°	2517.9	89.6
0°-90°	2811.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2811.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1928	
5°	1903	180
15°	1747	491
25°	1477	669
35°	899	566
45°	460	363
55°	278	250
65°	172	171
75°	90	95
85°	25	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1928.1
2.5°	1920.9
5°	1903.2
7.5°	1875.2
10°	1840.0
12.5°	1795.9
15°	1747.4
17.5°	1691.6
20°	1631.4
22.5°	1563.8
25°	1477.0
27.5°	1359.4
30°	1221.2
32.5°	1062.5
35°	899.4
37.5°	756.9
40°	639.2
42.5°	540.9
45°	460.0
47.5°	396.8
50°	346.9
52.5°	308.6
55°	277.8
57.5°	248.4
60°	220.5
62.5°	195.5
65°	172.0
67.5°	148.4
70°	127.9
72.5°	107.2
75°	89.6
77.5°	72.0
80°	54.4
82.5°	39.6
85°	25.0
87.5°	10.2
90°	0.0



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— 0°-180°







(END OF REPORT)