

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: P203148

Luminaire Tested: **LE_6B30D010 EC6B30508040 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203148
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_6B30D010 EC6B30508040 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

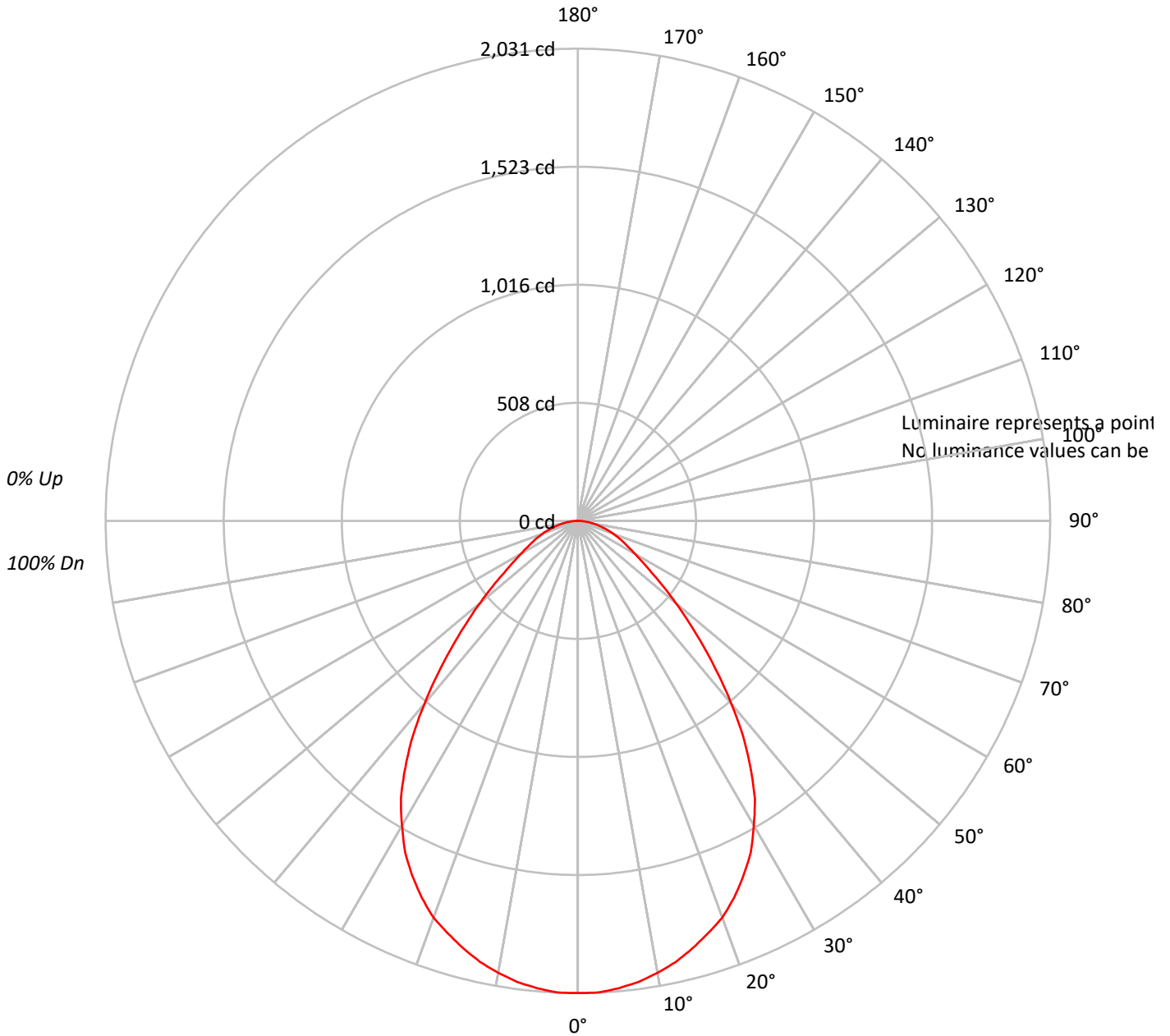
Lumens per Lamp: N/A
Luminaire Lumens: 3616.4 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 28
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									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	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	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88																											
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77																											
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68																											
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																											
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54																											
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49																											
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44																											
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40																											
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37																											
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34																											

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.3	5.3
10°-20°	536.4	14.8
20°-30°	772.8	21.4
30°-40°	802.4	22.2
40°-50°	593.2	16.4
50°-60°	354.4	9.8
60°-70°	215.3	6.0
70°-80°	118.0	3.3
80°-90°	32.8	0.9
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°	1500.5	41.5
0°-40°	2302.8	63.7
0°-60°	3250.4	89.9
0°-90°	3616.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3616.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2031	
5°	2018	191
15°	1904	536
25°	1684	773
35°	1294	802
45°	763	593
55°	386	354
65°	215	215
75°	110	118
85°	26	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2030.9
2.5°	2030.9
5°	2017.8
7.5°	2000.2
10°	1973.9
12.5°	1943.1
15°	1903.8
17.5°	1859.9
20°	1816.0
22.5°	1754.5
25°	1684.4
27.5°	1609.8
30°	1513.2
32.5°	1416.8
35°	1294.0
37.5°	1166.8
40°	1026.4
42.5°	890.4
45°	763.2
47.5°	649.1
50°	548.2
52.5°	460.6
55°	386.0
57.5°	329.0
60°	280.8
62.5°	245.6
65°	214.9
67.5°	188.6
70°	162.2
72.5°	136.0
75°	109.6
77.5°	87.8
80°	65.8
82.5°	48.2
85°	26.4
87.5°	13.1
90°	0.0



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— 0°-180°







(END OF REPORT)