

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: P204079

Luminaire Tested: **LE_6B30D010 EC6B30509030 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204079
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 EC6B30509030 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 2277.0 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

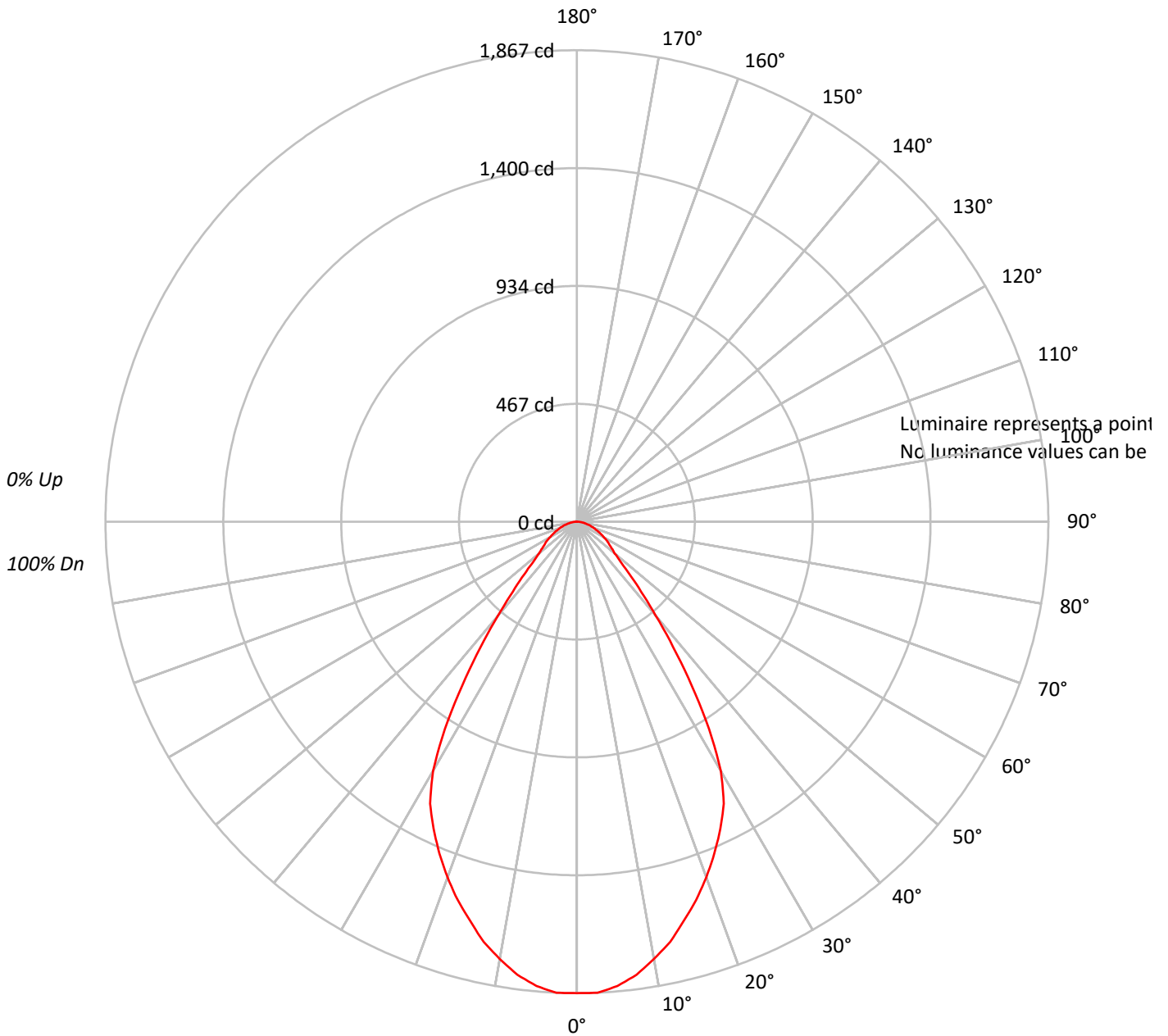
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90				90
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81				81
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73				73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66				66
5	87	77	70	64	85	76	69	64	74	68	64	72	67	63	70	66	62	61				61
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56				56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51				51
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47				47
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44				44
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41				41

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.4	7.6
10°-20°	459.6	20.2
20°-30°	613.6	26.9
30°-40°	495.1	21.7
40°-50°	237.3	10.4
50°-60°	140.6	6.2
60°-70°	93.5	4.1
70°-80°	50.1	2.2
80°-90°	13.8	0.6
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°	1246.7	54.7
0°-40°	1741.7	76.5
0°-60°	2119.6	93.1
0°-90°	2277.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2277.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1867	
5°	1846	173
15°	1636	460
25°	1343	614
35°	792	495
45°	293	237
55°	156	141
65°	94	93
75°	47	50
85°	11	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1867.4
2.5°	1867.4
5°	1845.6
7.5°	1809.4
10°	1758.8
12.5°	1704.5
15°	1635.8
17.5°	1570.6
20°	1498.2
22.5°	1422.2
25°	1342.6
27.5°	1259.4
30°	1140.0
32.5°	973.5
35°	792.5
37.5°	626.1
40°	484.9
42.5°	376.4
45°	293.1
47.5°	231.6
50°	195.4
52.5°	173.8
55°	155.6
57.5°	141.1
60°	123.0
62.5°	108.6
65°	94.1
67.5°	79.6
70°	68.8
72.5°	57.9
75°	47.0
77.5°	36.2
80°	29.0
82.5°	21.8
85°	10.9
87.5°	3.6
90°	0.0



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— 0°-180°







(END OF REPORT)