

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: P203353

Luminaire Tested: **LE_6B30D010 EC6B30508035 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203353
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 EC6B30508035 6LBMWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WHEAT 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: 2987.9 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

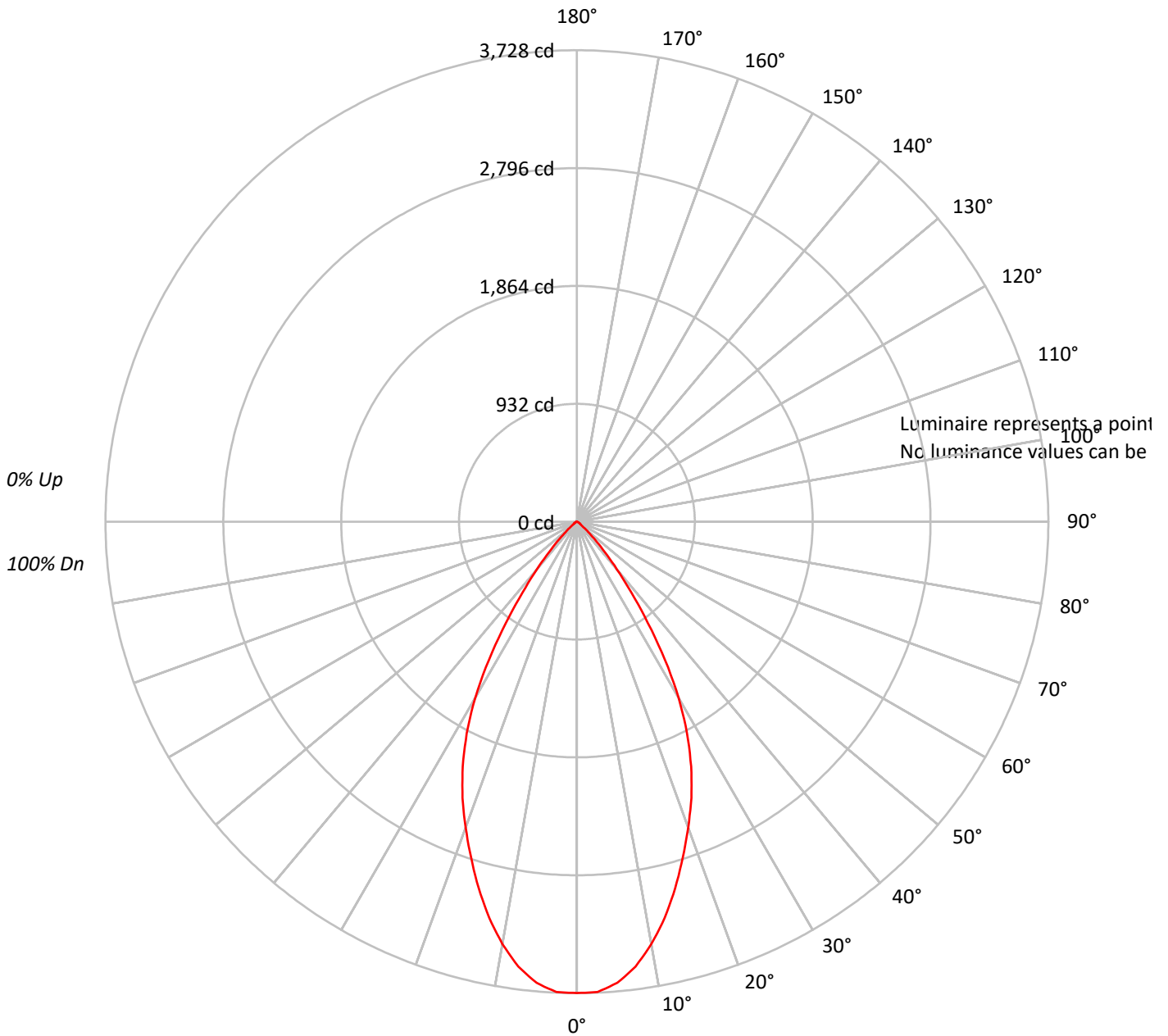
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																		
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	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	100	100	100	100	100	100	100	100	100																	
	1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94	94	94	94	94	94	94	94	94	94	94																	
	2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87	87	87	87	87	87	87	87																	
	3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81	81	81	81	81	81	81	81	81	81	81																	
	4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76	76	76	76	76	76	76	76	76	76	76																	
	5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71	71	71	71	71	71	71	71	71	71	71																	
	6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66	66	66	66	66	66	66	66	66	66	66																	
	7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62	62	62	62	62	62	62	62	62	62	62																	
	8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58	58	58	58	58	58	58	58	58	58	58																	
	9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55	55	55	55	55	55	55	55	55	55	55																	
	10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52	52	52	52	52	52	52	52	52	52	52																	

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.8	11.4
10°-20°	836.6	28.0
20°-30°	968.0	32.4
30°-40°	618.8	20.7
40°-50°	175.4	5.9
50°-60°	31.3	1.0
60°-70°	12.8	0.4
70°-80°	4.3	0.1
80°-90°	0.0	0.0
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°	2145.4	71.8
0°-40°	2764.1	92.5
0°-60°	2970.8	99.4
0°-90°	2987.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2987.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3728	
5°	3661	341
15°	3000	837
25°	2136	968
35°	977	619
45°	204	175
55°	29	31
65°	12	13
75°	4	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3727.6
2.5°	3723.5
5°	3661.1
7.5°	3549.0
10°	3391.0
12.5°	3208.1
15°	3000.4
17.5°	2784.2
20°	2572.4
22.5°	2364.6
25°	2136.0
27.5°	1886.6
30°	1608.2
32.5°	1296.6
35°	976.6
37.5°	706.5
40°	490.4
42.5°	324.1
45°	203.6
47.5°	120.5
50°	70.6
52.5°	41.5
55°	29.1
57.5°	24.9
60°	20.8
62.5°	16.6
65°	12.5
67.5°	8.2
70°	8.2
72.5°	4.1
75°	4.1
77.5°	4.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)