

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: P204815

Luminaire Tested: **LE_6B40D010 EC6B30509030 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204815
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_6B40D010 EC6B30509030 6LBCSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4898.5 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

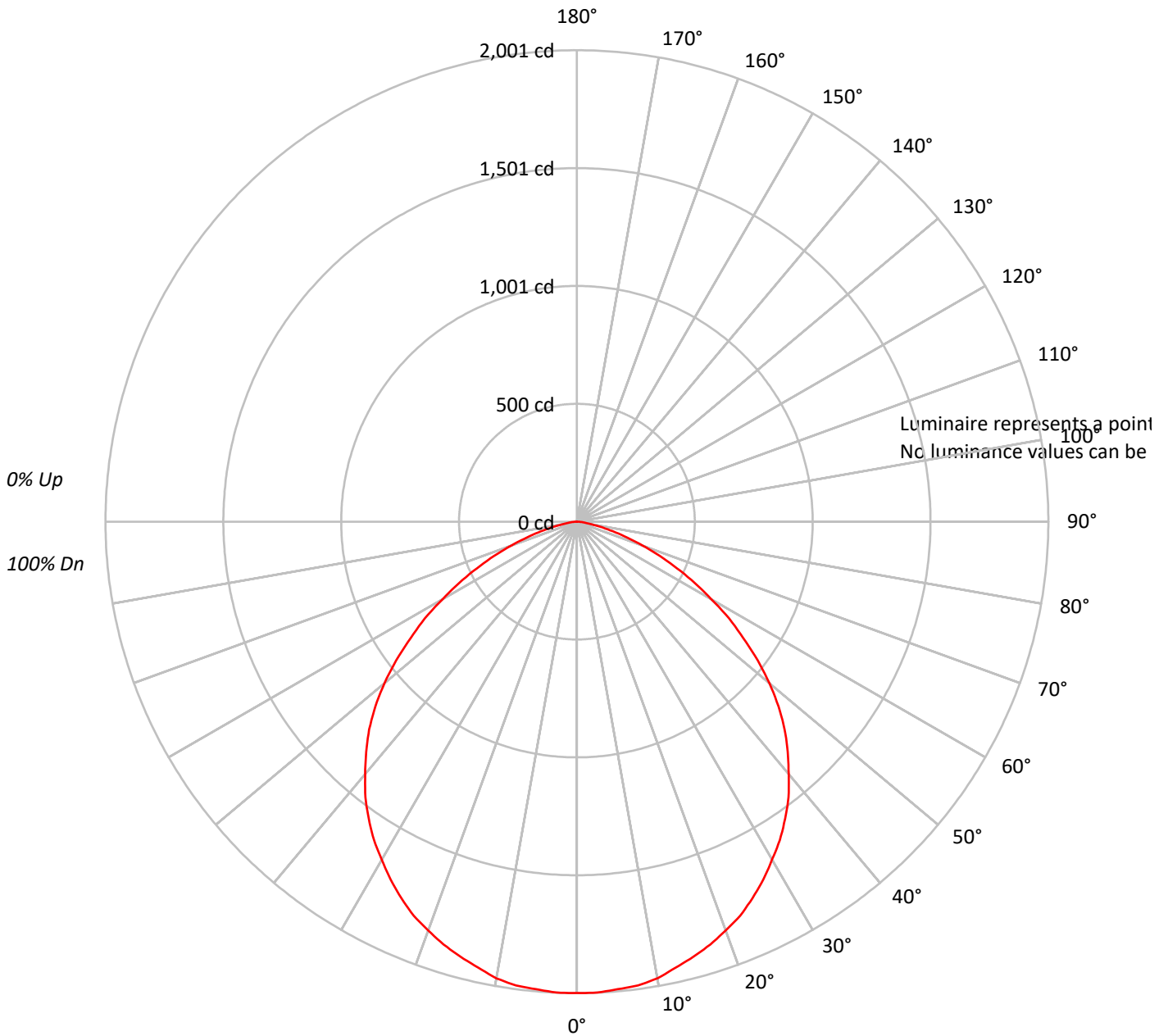
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87			
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74			
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63			
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55			
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48			
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42			
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33			
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30			
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.5	3.9
10°-20°	539.6	11.0
20°-30°	811.8	16.6
30°-40°	962.1	19.6
40°-50°	957.4	19.5
50°-60°	771.8	15.8
60°-70°	466.9	9.5
70°-80°	173.4	3.5
80°-90°	25.8	0.5
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°	1541.0	31.5
0°-40°	2503.0	51.1
0°-60°	4232.3	86.4
0°-90°	4898.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4898.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2001	
5°	1992	190
15°	1912	540
25°	1763	812
35°	1540	962
45°	1247	957
55°	861	772
65°	469	467
75°	157	173
85°	21	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2000.6
2.5°	2000.6
5°	1991.8
7.5°	1985.8
10°	1968.0
12.5°	1938.4
15°	1911.6
17.5°	1881.9
20°	1846.2
22.5°	1810.6
25°	1763.1
27.5°	1712.8
30°	1656.4
32.5°	1602.9
35°	1540.5
37.5°	1475.2
40°	1398.1
42.5°	1323.9
45°	1246.8
47.5°	1160.6
50°	1065.6
52.5°	967.6
55°	860.9
57.5°	765.9
60°	659.0
62.5°	564.0
65°	469.0
67.5°	380.0
70°	296.9
72.5°	222.6
75°	157.4
77.5°	100.9
80°	59.4
82.5°	35.6
85°	20.8
87.5°	8.9
90°	0.0



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— 0°-180°







(END OF REPORT)