

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: P204913

Luminaire Tested: **LE_6B40D010 EC6B30508035 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204913
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 EC6B30508035 6LBCSMB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK 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: 4966.4 lumens
Efficiency: N/A
Efficacy: 118.8 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

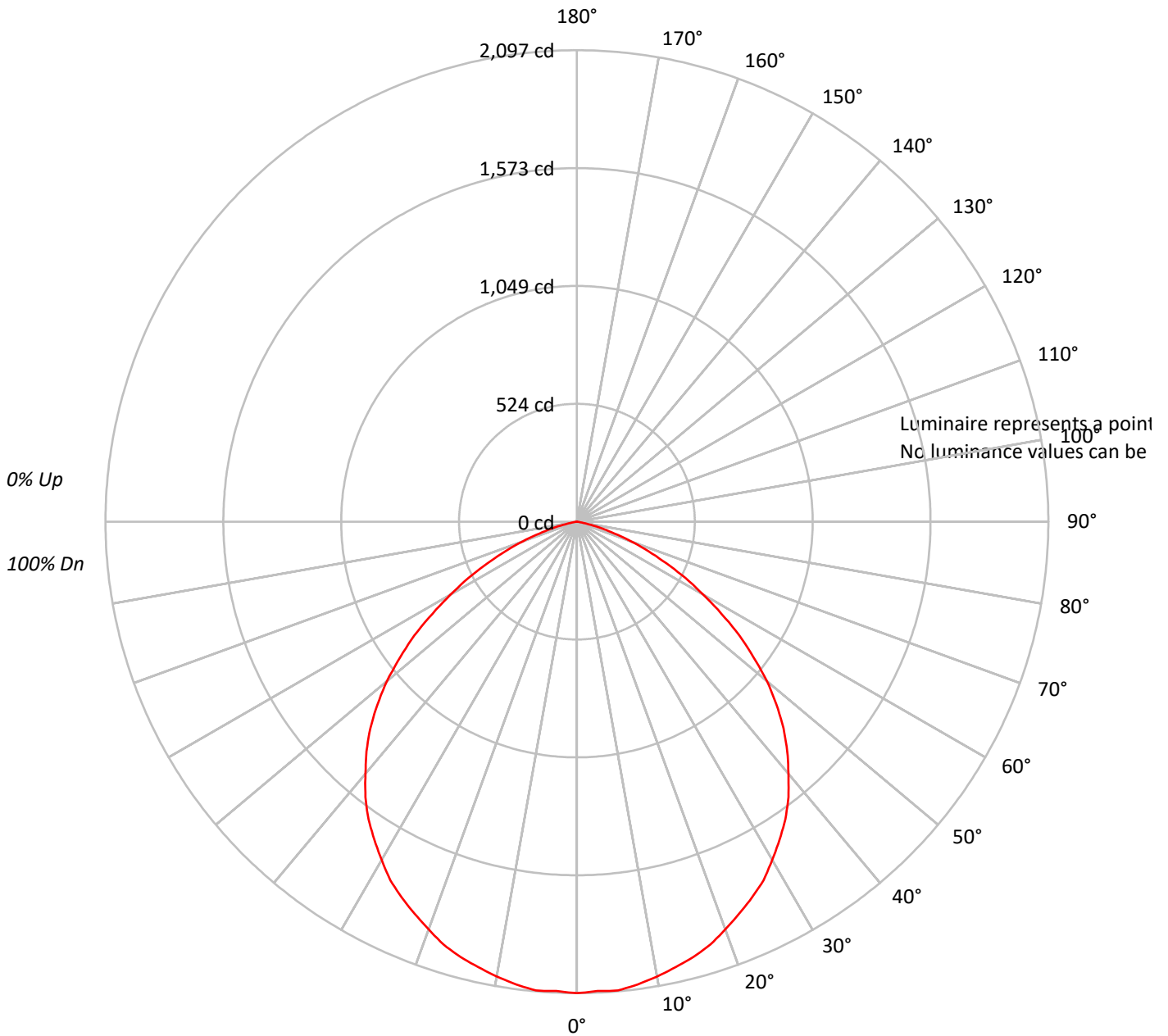
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88																											
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75																											
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65																											
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56																											
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49																											
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43																											
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39																											
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35																											
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31																											
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28																											

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.4	4.0
10°-20°	565.1	11.4
20°-30°	849.5	17.1
30°-40°	1007.9	20.3
40°-50°	997.4	20.1
50°-60°	783.5	15.8
60°-70°	439.3	8.8
70°-80°	123.4	2.5
80°-90°	1.9	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°	1612.9	32.5
0°-40°	2620.9	52.8
0°-60°	4401.8	88.6
0°-90°	4966.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4966.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2097	
5°	2094	198
15°	2004	565
25°	1844	849
35°	1616	1008
45°	1300	997
55°	883	783
65°	438	439
75°	107	123
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2097.1
2.5°	2090.0
5°	2093.5
7.5°	2075.8
10°	2054.4
12.5°	2029.4
15°	2004.5
17.5°	1972.5
20°	1929.8
22.5°	1887.0
25°	1844.2
27.5°	1798.0
30°	1737.5
32.5°	1677.0
35°	1616.4
37.5°	1545.2
40°	1463.4
42.5°	1385.0
45°	1299.5
47.5°	1203.4
50°	1103.8
52.5°	989.8
55°	883.0
57.5°	761.9
60°	648.0
62.5°	544.8
65°	437.9
67.5°	345.4
70°	256.4
72.5°	174.5
75°	106.8
77.5°	53.4
80°	14.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)