

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: P407604

Luminaire Tested: **LE_6B40D010 EC6B30508035 6LBCS3MMS**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P407604
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35144)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B40D010 EC6B30508035 6LBCS3MMS
Description: PORTFOLIO 6 INCH 80 DEGREE CUTOFF SHALLOW RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SHALLOW MATTE METALIC SILVER TRIM
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

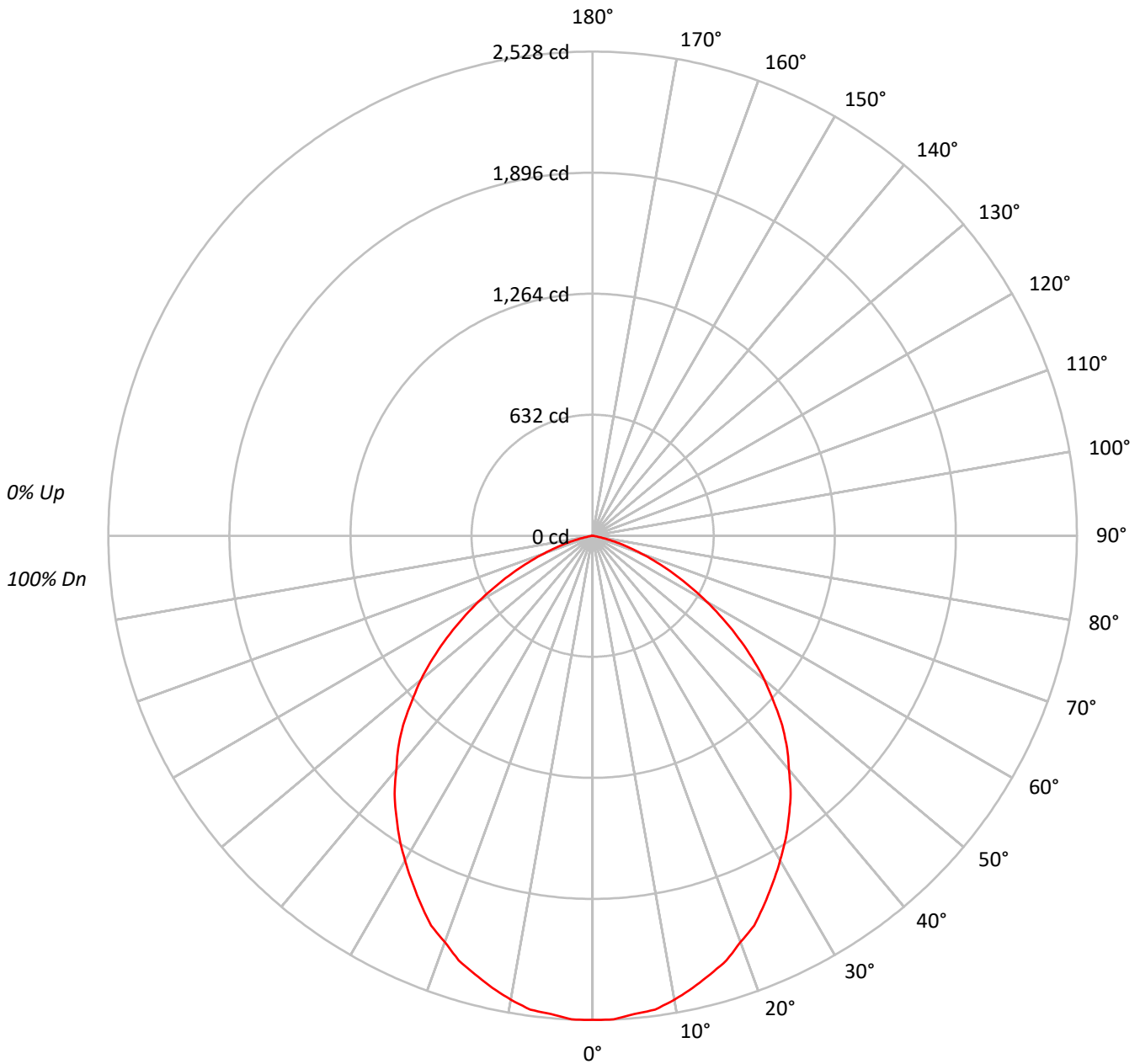
Lumens per Lamp: N/A
Luminaire Lumens: 5503.7 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27
Luminous Opening: Circular (Dia: 1.12' x H: 0')
CIE Type: Direct

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				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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88				88
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76				76
3	94	85	77	72	92	83	76	71	80	74	70	77	73	69	75	71	67	65				65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57				57
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50				50
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44				44
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40				40
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36				36
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32				32
10	57	44	36	31	55	43	36	31	43	36	31	42	35	31	41	35	31	29				29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	27369
5°	27241
10°	27048
15°	26579
20°	26008
25°	25349
30°	24481
35°	23623
40°	22544
45°	21424
50°	19729
55°	17541
60°	14879
65°	11858
70°	8564
75°	4916
80°	1335
85°	435



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.2	4.3
10°-20°	668.3	12.1
20°-30°	976.2	17.7
30°-40°	1116.5	20.3
40°-50°	1073.0	19.5
50°-60°	828.6	15.1
60°-70°	462.5	8.4
70°-80°	134.6	2.4
80°-90°	5.8	0.1
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°	1882.7	34.2
0°-40°	2999.2	54.5
0°-60°	4900.8	89.0
0°-90°	5503.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5503.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2528	
5°	2506	238
15°	2371	668
25°	2122	976
35°	1787	1117
45°	1399	1073
55°	929	829
65°	463	462
75°	118	135
85°	4	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2527.5
2.5°	2527.5
5°	2506.1
7.5°	2495.4
10°	2459.9
12.5°	2417.1
15°	2370.9
17.5°	2324.5
20°	2256.9
22.5°	2203.5
25°	2121.6
27.5°	2039.8
30°	1957.9
32.5°	1876.0
35°	1787.0
37.5°	1698.0
40°	1594.8
42.5°	1502.2
45°	1399.0
47.5°	1281.5
50°	1171.1
52.5°	1050.1
55°	929.1
57.5°	804.5
60°	687.0
62.5°	569.6
65°	462.8
67.5°	363.1
70°	270.5
72.5°	188.6
75°	117.5
77.5°	60.5
80°	21.4
82.5°	7.1
85°	3.5
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)