

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: P204996

Luminaire Tested: **LE_6B20D010 EC6B10209035 6LBCS1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204996
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_6B20D010 EC6B10209035 6LBCS1MMS
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE METALLIC SILVER TRIM
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W
DL3-21.8 6 W DLE-22.46 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2270.1 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

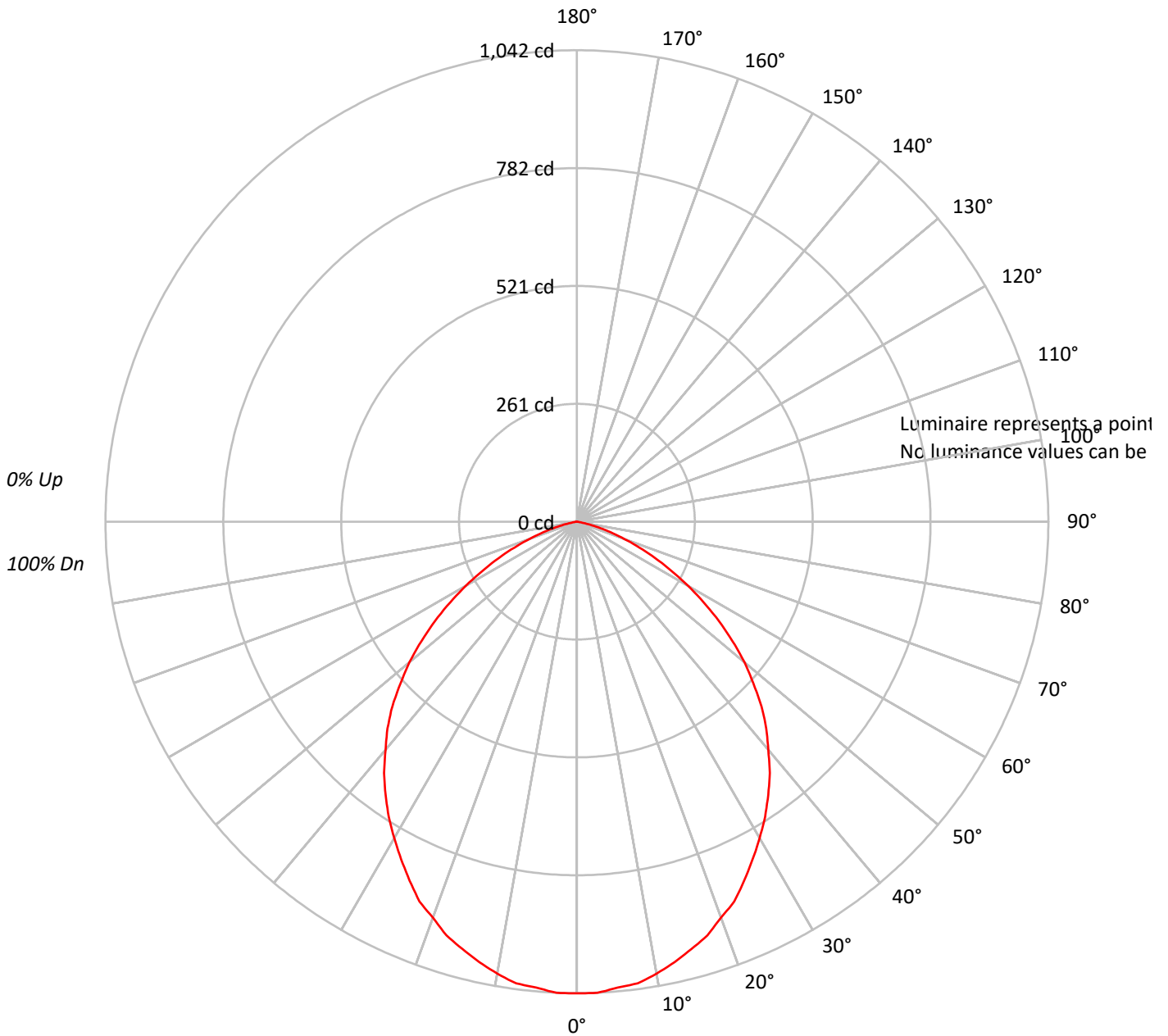
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	4.3
10°-20°	275.7	12.1
20°-30°	402.6	17.7
30°-40°	460.5	20.3
40°-50°	442.6	19.5
50°-60°	341.8	15.1
60°-70°	190.8	8.4
70°-80°	55.6	2.4
80°-90°	2.4	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°	776.5	34.2
0°-40°	1237.0	54.5
0°-60°	2021.4	89.0
0°-90°	2270.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2270.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1042	
5°	1034	98
15°	978	276
25°	875	403
35°	737	461
45°	577	443
55°	383	342
65°	191	191
75°	48	56
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1042.5
2.5°	1042.5
5°	1033.6
7.5°	1029.2
10°	1014.5
12.5°	996.9
15°	977.9
17.5°	958.8
20°	930.9
22.5°	908.9
25°	875.1
27.5°	841.2
30°	807.5
32.5°	773.8
35°	737.0
37.5°	700.4
40°	657.8
42.5°	619.6
45°	577.0
47.5°	528.5
50°	483.0
52.5°	433.1
55°	383.2
57.5°	331.9
60°	283.4
62.5°	234.9
65°	190.9
67.5°	149.8
70°	111.6
72.5°	77.9
75°	48.5
77.5°	25.0
80°	8.8
82.5°	2.9
85°	1.5
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)