

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: P203451

Luminaire Tested: **LE_6B20D010 EC6B10209050 6LBMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203451
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 EC6B10209050 6LBMB1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SPECULAR BLACK 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: 966.6 lumens
Efficiency: N/A
Efficacy: 46.5 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.86
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

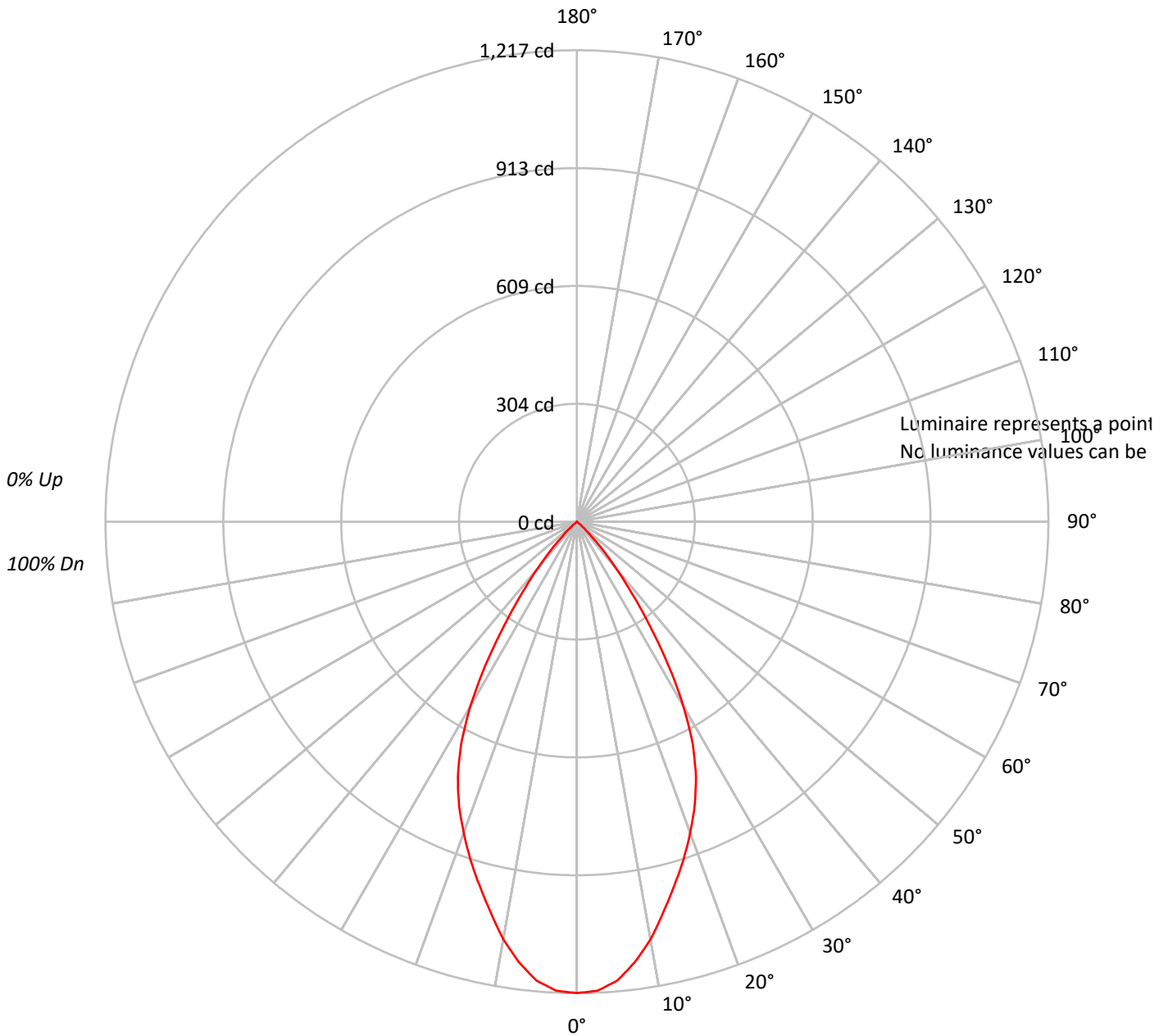
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																		
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	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94	94	94	94	94	94	94	94																	
	2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88	88	88	88	88	88	88	88	88																	
	3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82	82	82	82	82	82	82	82	82	82	82																	
	4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	81	78	76	76	76	76	76	76	76	76	76	76	76																	
	5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	72	72	72	72	72	72	72	72	72	72	72																	
	6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67	67	67	67	67	67	67	67	67	67	67																	
	7	84	75	69	65	83	75	69	65	73	68	65	72	68	65	71	67	64	63	63	63	63	63	63	63	63	63	63	63																	
	8	80	71	65	61	79	71	65	61	69	64	61	68	64	61	67	63	60	59	59	59	59	59	59	59	59	59	59	59																	
	9	77	67	61	58	76	67	61	57	66	61	57	65	60	57	64	60	57	56	56	56	56	56	56	56	56	56	56	56																	
	10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	53	53	53	53	53	53	53	53	53	53	53																	

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	11.4
10°-20°	272.4	28.2
20°-30°	328.1	33.9
30°-40°	207.6	21.5
40°-50°	47.5	4.9
50°-60°	0.5	0.1
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	711.0	73.6
0°-40°	918.6	95.0
0°-60°	966.6	100.0
0°-90°	966.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	966.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1217	
5°	1189	110
15°	972	272
25°	727	328
35°	327	208
45°	52	48
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1216.9
2.5°	1211.9
5°	1189.4
7.5°	1146.9
10°	1094.4
12.5°	1031.9
15°	972.0
17.5°	914.5
20°	854.5
22.5°	794.5
25°	727.1
27.5°	647.1
30°	549.8
32.5°	439.8
35°	327.4
37.5°	232.4
40°	157.4
42.5°	97.5
45°	52.5
47.5°	22.5
50°	5.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
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)