

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: P202729

Luminaire Tested: **LE_6B20D010 EC6B10209040 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202729
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 EC6B10209040 6LBWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 1954.8 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

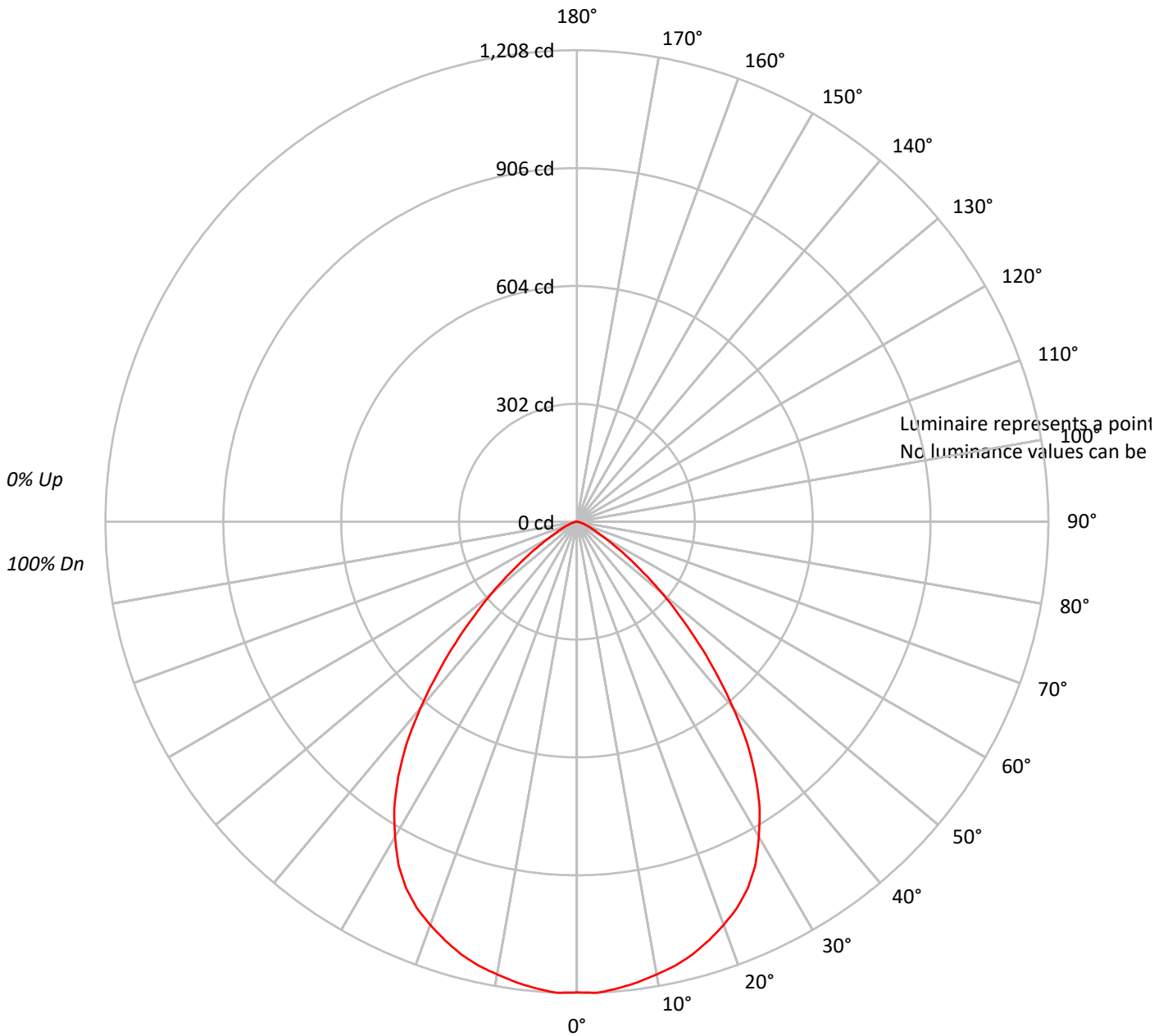
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	5.8
10°-20°	323.1	16.5
20°-30°	473.8	24.2
30°-40°	493.1	25.2
40°-50°	341.2	17.5
50°-60°	148.5	7.6
60°-70°	45.5	2.3
70°-80°	13.7	0.7
80°-90°	2.1	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°	910.8	46.6
0°-40°	1403.9	71.8
0°-60°	1893.6	96.9
0°-90°	1954.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1954.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1206	
5°	1201	114
15°	1148	323
25°	1036	474
35°	798	493
45°	441	341
55°	160	149
65°	43	46
75°	13	14
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1205.8
2.5°	1208.2
5°	1200.6
7.5°	1190.5
10°	1177.9
12.5°	1165.1
15°	1147.5
17.5°	1124.6
20°	1099.4
22.5°	1071.5
25°	1036.0
27.5°	990.4
30°	932.1
32.5°	871.4
35°	797.9
37.5°	716.9
40°	623.1
42.5°	529.4
45°	440.8
47.5°	357.1
50°	283.8
52.5°	215.2
55°	159.6
57.5°	114.0
60°	78.5
62.5°	58.2
65°	43.0
67.5°	32.9
70°	22.8
72.5°	17.8
75°	12.6
77.5°	7.6
80°	5.1
82.5°	2.5
85°	2.5
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)