

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: P205543

Luminaire Tested: **LE_6B50D010R EC6B30509035 6LBMGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205543
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_6B50D010R EC6B30509035 6LBMGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3229.3 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

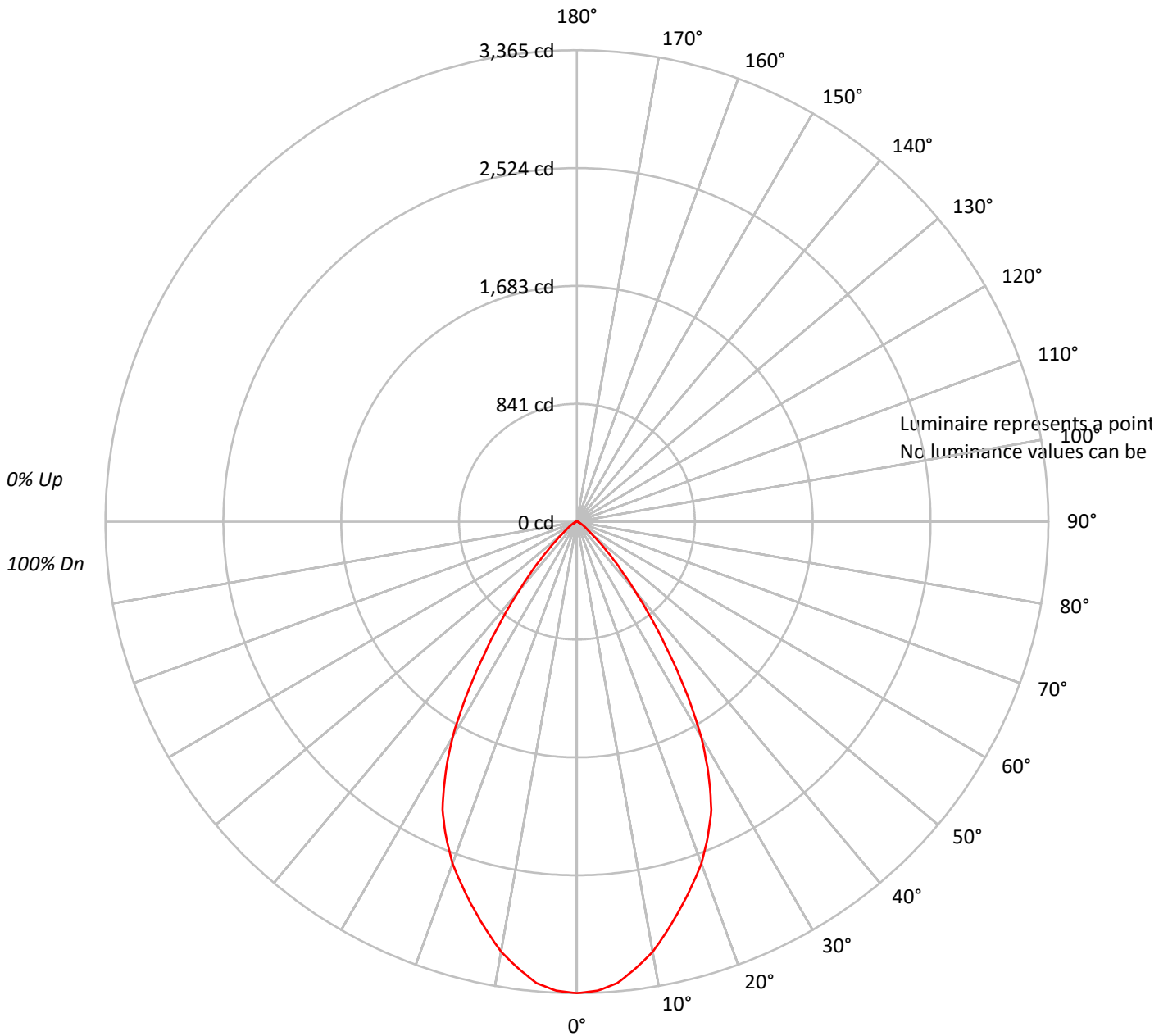
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93																																				
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86																																				
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79																																				
4	96	88	82	78	94	87	82	77	85	80	77	83	79	76	81	78	75	73																																				
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68																																				
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63																																				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																																				
8	77	68	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55																																				
9	74	64	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51																																				
10	70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48																																				

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.1	9.6
10°-20°	802.2	24.8
20°-30°	1022.1	31.6
30°-40°	722.3	22.4
40°-50°	263.7	8.2
50°-60°	73.1	2.3
60°-70°	26.5	0.8
70°-80°	9.4	0.3
80°-90°	0.9	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°	2133.4	66.1
0°-40°	2855.7	88.4
0°-60°	3192.5	98.9
0°-90°	3229.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3229.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3365	
5°	3306	309
15°	2856	802
25°	2270	1022
35°	1148	722
45°	320	264
55°	78	73
65°	26	27
75°	6	9
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3365.1
2.5°	3352.0
5°	3306.4
7.5°	3215.1
10°	3117.2
12.5°	2986.9
15°	2856.4
17.5°	2726.0
20°	2595.5
22.5°	2439.0
25°	2269.5
27.5°	2034.8
30°	1773.9
32.5°	1460.9
35°	1147.8
37.5°	873.9
40°	639.1
42.5°	463.0
45°	319.5
47.5°	215.2
50°	143.5
52.5°	97.9
55°	78.2
57.5°	58.8
60°	45.6
62.5°	32.6
65°	26.1
67.5°	19.6
70°	13.0
72.5°	13.0
75°	6.5
77.5°	6.5
80°	6.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)