

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: P204115

Luminaire Tested: **LE_6B60D010R EC6B60708050 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204115
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_6B60D010R EC6B60708050 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

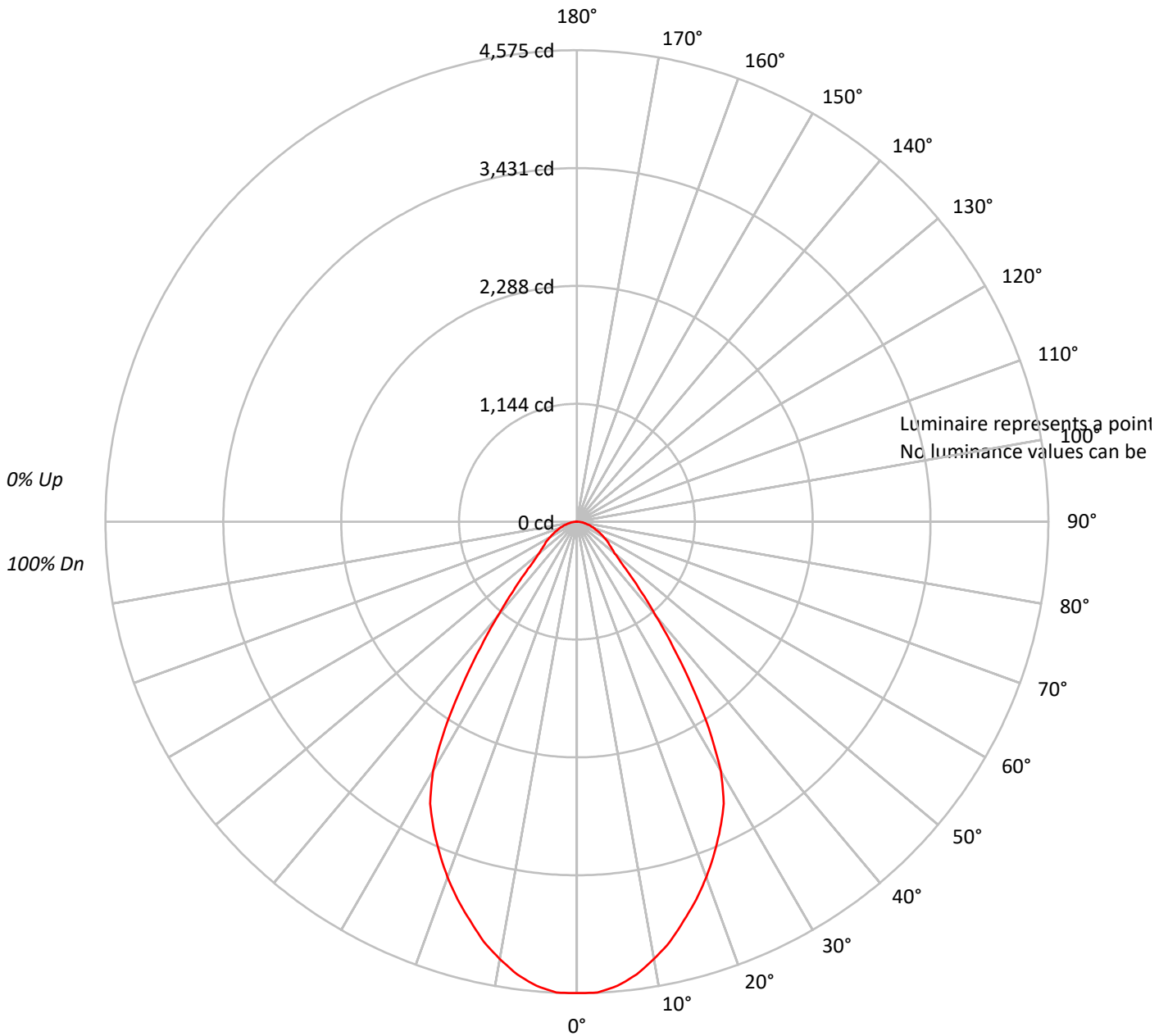
Lumens per Lamp: N/A
Luminaire Lumens: 5578.1 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 62.5
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	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90																																			
	2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81																																			
	3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73																																			
	4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66																																			
	5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61																																			
	6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56																																			
	7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51																																			
	8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47																																			
	9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44																																			
	10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41																																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.8	7.6
10°-20°	1126.0	20.2
20°-30°	1503.3	26.9
30°-40°	1212.8	21.7
40°-50°	581.2	10.4
50°-60°	344.5	6.2
60°-70°	229.0	4.1
70°-80°	122.7	2.2
80°-90°	33.8	0.6
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°	3054.0	54.8
0°-40°	4266.8	76.5
0°-60°	5192.6	93.1
0°-90°	5578.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5578.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4575	
5°	4522	425
15°	4007	1126
25°	3289	1503
35°	1942	1213
45°	718	581
55°	381	345
65°	230	229
75°	115	123
85°	27	34
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4574.6
2.5°	4574.6
5°	4521.5
7.5°	4432.8
10°	4308.6
12.5°	4175.8
15°	4007.2
17.5°	3847.6
20°	3670.4
22.5°	3484.1
25°	3289.1
27.5°	3085.2
30°	2792.6
32.5°	2384.9
35°	1941.6
37.5°	1533.8
40°	1188.0
42.5°	922.0
45°	718.1
47.5°	567.4
50°	478.8
52.5°	425.5
55°	381.2
57.5°	345.8
60°	301.4
62.5°	266.0
65°	230.5
67.5°	195.0
70°	168.5
72.5°	141.9
75°	115.2
77.5°	88.6
80°	70.9
82.5°	53.2
85°	26.6
87.5°	8.9
90°	0.0



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— 0°-180°







(END OF REPORT)