

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: P205529

Luminaire Tested: **LE_6B40D010 EC6B30509030 6LBMGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205529
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_6B40D010 EC6B30509030 6LBMGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

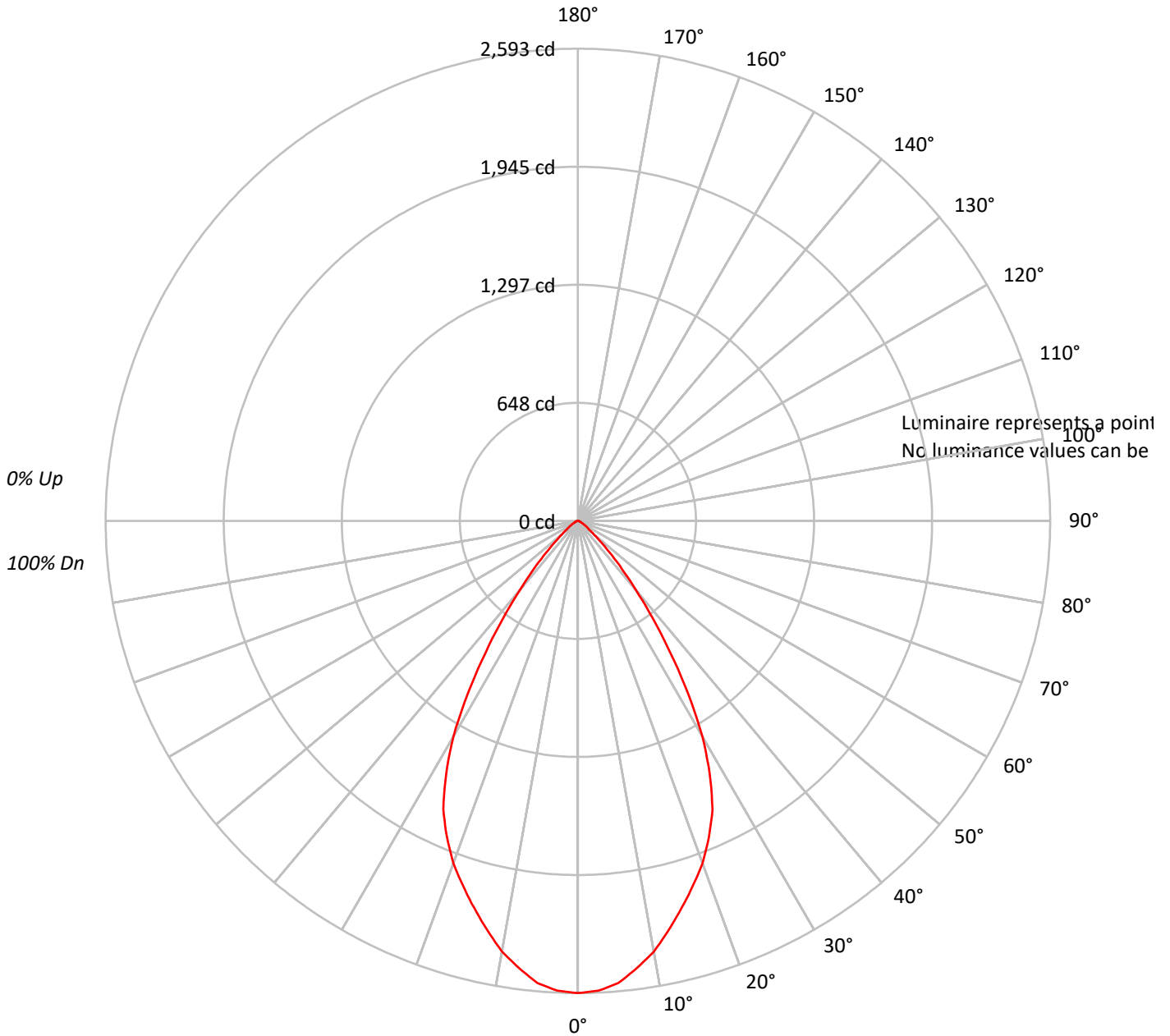
Lumens per Lamp: N/A
Luminaire Lumens: 2488.3 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 41.8
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																												
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°	238.2	9.6
10°-20°	618.1	24.8
20°-30°	787.6	31.7
30°-40°	556.6	22.4
40°-50°	203.2	8.2
50°-60°	56.3	2.3
60°-70°	20.4	0.8
70°-80°	7.2	0.3
80°-90°	0.7	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°	1643.9	66.1
0°-40°	2200.5	88.4
0°-60°	2459.9	98.9
0°-90°	2488.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2488.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2593	
5°	2548	238
15°	2201	618
25°	1749	788
35°	884	557
45°	246	203
55°	60	56
65°	20	20
75°	5	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2593.0
2.5°	2582.9
5°	2547.8
7.5°	2477.4
10°	2402.0
12.5°	2301.5
15°	2201.0
17.5°	2100.5
20°	2000.0
22.5°	1879.4
25°	1748.8
27.5°	1567.9
30°	1366.9
32.5°	1125.6
35°	884.4
37.5°	673.4
40°	492.5
42.5°	356.8
45°	246.2
47.5°	165.9
50°	110.5
52.5°	75.4
55°	60.2
57.5°	45.2
60°	35.1
62.5°	25.1
65°	20.1
67.5°	15.1
70°	10.0
72.5°	10.0
75°	5.0
77.5°	5.0
80°	5.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)