

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: P407606

Luminaire Tested: **LE\_6B40D010 EC6B30508035 6LBN3LI**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-41-14  
Report Number: P407606  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35135)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LE\_6B40D010 EC6B30508035 6LBN3LI  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW DISTRIBUTION WITH SPECULAR CLEAR TRIM  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

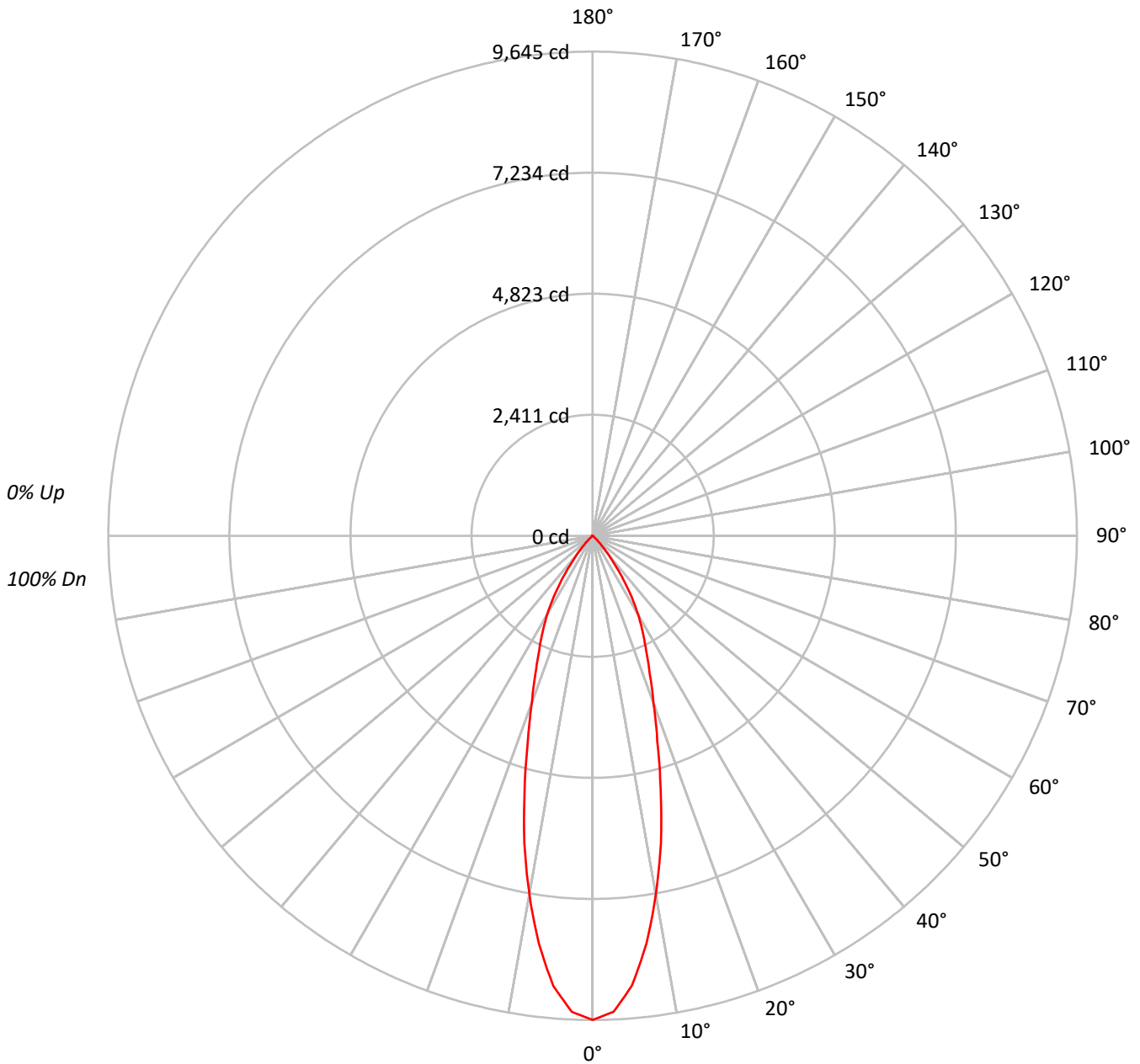
Lumens per Lamp: N/A  
Luminaire Lumens: 4255.0 lumens  
Efficiency: N/A  
Efficacy: 101.8 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
CIE Type: Direct

Input Watts (W): 41.8  
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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95			
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89			
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85			
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80			
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	80	77	76			
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72			
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68			
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65			
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62			
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	104445
5°	97769
10°	79787
15°	58615
20°	40759
25°	30124
30°	22582
35°	14089
40°	6876
45°	2410
50°	362
55°	268
60°	154
65°	92
70°	114
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	801.7	18.8
10°-20°	1446.2	34.0
20°-30°	1171.4	27.5
30°-40°	672.8	15.8
40°-50°	144.0	3.4
50°-60°	12.7	0.3
60°-70°	4.8	0.1
70°-80°	1.4	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°	3419.2	80.4
0°-40°	4092.1	96.2
0°-60°	4248.8	99.9
0°-90°	4255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4255.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9645	
5°	8994	802
15°	5228	1446
25°	2521	1171
35°	1066	673
45°	157	144
55°	14	13
65°	4	5
75°	0	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9645.2
2.5°	9491.5
5°	8994.4
7.5°	8196.9
10°	7256.2
12.5°	6276.4
15°	5228.5
17.5°	4284.4
20°	3537.0
22.5°	2971.9
25°	2521.2
27.5°	2156.5
30°	1806.0
32.5°	1441.2
35°	1065.8
37.5°	736.8
40°	486.4
42.5°	293.2
45°	157.4
47.5°	64.4
50°	21.5
52.5°	17.9
55°	14.2
57.5°	10.8
60°	7.1
62.5°	7.1
65°	3.6
67.5°	3.6
70°	3.6
72.5°	3.6
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)