

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: P407605

Luminaire Tested: **LE\_6B40D010 EC6B30508035 6LBM3LI**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-41-14  
Report Number: P407605  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35151)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LE\_6B40D010 EC6B30508035 6LBM3LI  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

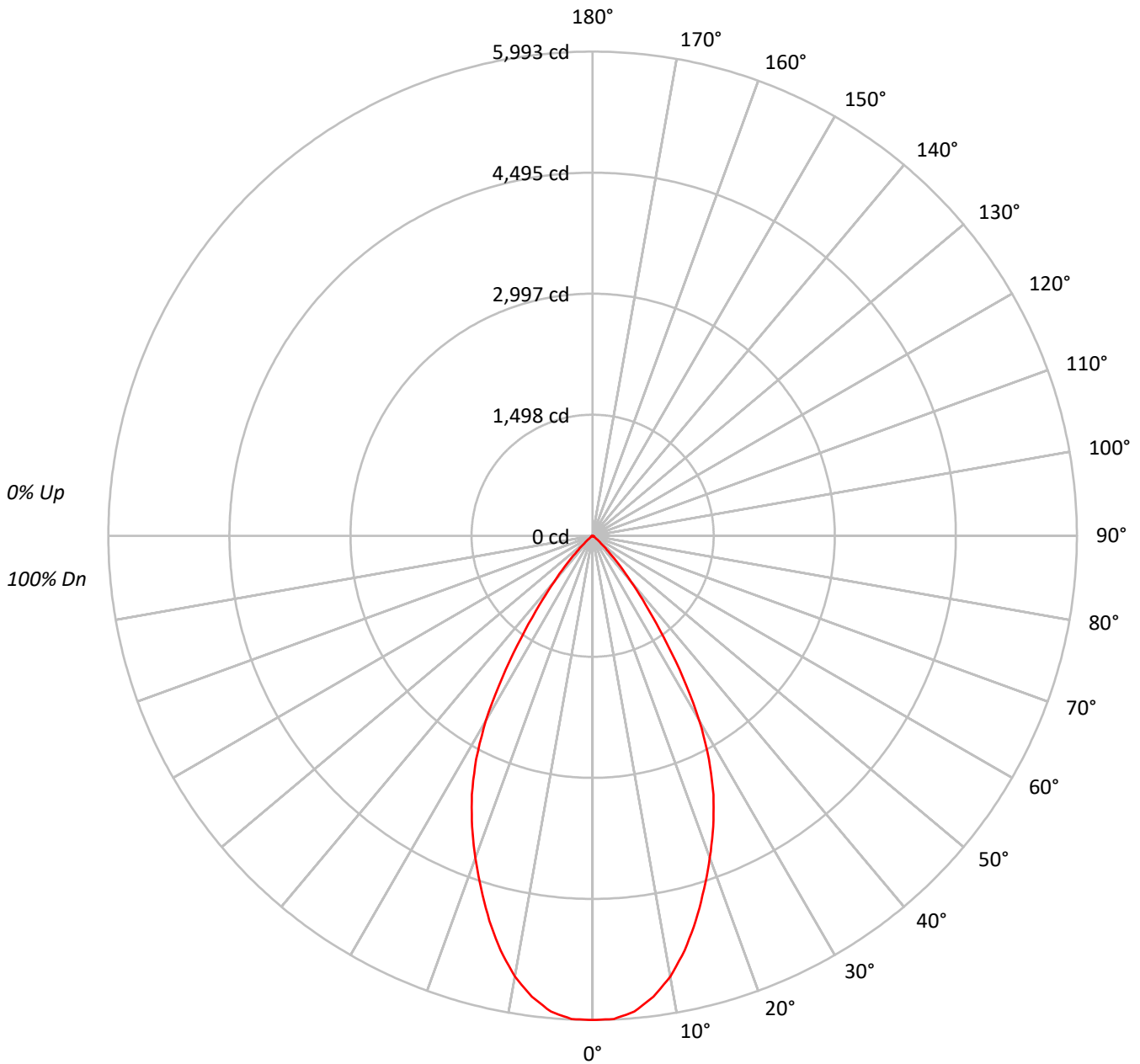
Lumens per Lamp: N/A  
Luminaire Lumens: 4788.7 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
CIE Type: Direct

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	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82			
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76			
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71			
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63			
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52			

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

	0°
0°	64896
5°	64277
10°	60911
15°	55301
20°	48865
25°	42246
30°	33023
35°	20252
40°	10395
45°	4129
50°	1341
55°	463
60°	398
65°	313
70°	193
75°	255
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	552.1	11.5
10°-20°	1374.5	28.7
20°-30°	1597.8	33.4
30°-40°	978.4	20.4
40°-50°	243.0	5.1
50°-60°	28.4	0.6
60°-70°	10.5	0.2
70°-80°	4.0	0.1
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°	3524.3	73.6
0°-40°	4502.8	94.0
0°-60°	4774.2	99.7
0°-90°	4788.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4788.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5993	
5°	5913	552
15°	4933	1374
25°	3536	1598
35°	1532	978
45°	270	243
55°	24	28
65°	12	11
75°	6	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5993.0
2.5°	5986.9
5°	5913.2
7.5°	5754.0
10°	5539.5
12.5°	5257.6
15°	4932.9
17.5°	4583.5
20°	4240.4
22.5°	3897.2
25°	3535.8
27.5°	3119.0
30°	2641.0
32.5°	2083.4
35°	1532.0
37.5°	1078.5
40°	735.4
42.5°	459.6
45°	269.6
47.5°	153.2
50°	79.6
52.5°	36.8
55°	24.5
57.5°	18.4
60°	18.4
62.5°	12.2
65°	12.2
67.5°	6.1
70°	6.1
72.5°	6.1
75°	6.1
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)