

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: P407607

Luminaire Tested: **LE\_6B40D010 EC6B30508035 6LBW3LI**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-41-14  
Report Number: P407607  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35119)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LE\_6B40D010 EC6B30508035 6LBW3LI  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

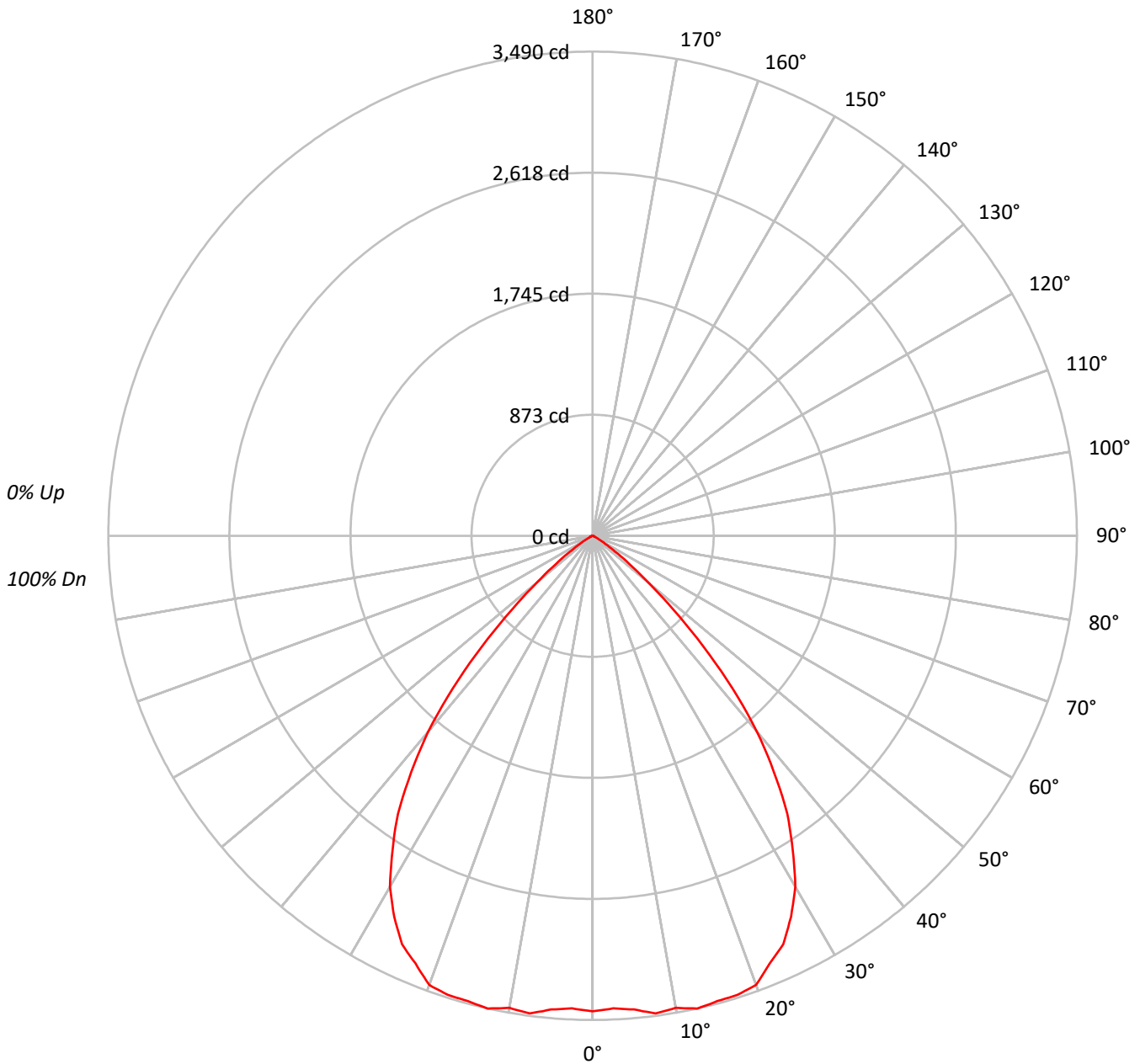
Lumens per Lamp: N/A  
Luminaire Lumens: 5407.6 lumens  
Efficiency: N/A  
Efficacy: 129.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.17  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
CIE Type: Direct

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			100
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92			92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	84			84
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	77	76			76
4	93	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	70	69			69
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63			63
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57			57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52			52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48			48
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44			44
10	65	54	47	43	64	53	47	43	52	46	42	51	46	42	51	46	42	41			41

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

	0°
0°	37114
5°	37256
10°	37995
15°	38932
20°	39698
25°	38824
30°	36529
35°	32343
40°	26051
45°	17211
50°	8760
55°	3757
60°	1211
65°	538
70°	332
75°	293
80°	218
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	329.2	6.1
10°-20°	983.5	18.2
20°-30°	1481.8	27.4
30°-40°	1503.8	27.8
40°-50°	873.9	16.2
50°-60°	203.9	3.8
60°-70°	23.6	0.4
70°-80°	7.4	0.1
80°-90°	0.5	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°	2794.5	51.7
0°-40°	4298.3	79.5
0°-60°	5376.1	99.4
0°-90°	5407.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5407.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3427	
5°	3427	329
15°	3473	983
25°	3249	1482
35°	2447	1504
45°	1124	874
55°	199	204
65°	21	24
75°	7	7
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3427.4
2.5°	3410.0
5°	3427.4
7.5°	3472.8
10°	3455.4
12.5°	3490.2
15°	3472.8
17.5°	3469.2
20°	3444.9
22.5°	3336.6
25°	3249.4
27.5°	3095.9
30°	2921.4
32.5°	2684.0
35°	2446.6
37.5°	2146.5
40°	1842.9
42.5°	1493.9
45°	1123.9
47.5°	788.8
50°	520.0
52.5°	331.6
55°	199.0
57.5°	108.2
60°	55.9
62.5°	27.9
65°	21.0
67.5°	14.0
70°	10.5
72.5°	10.5
75°	7.0
77.5°	3.5
80°	3.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)