

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P251484

Luminaire Tested: **LD8B60D010 ER8B60830 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251484  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-18)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B60D010 ER8B60830 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6664.0 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.27  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

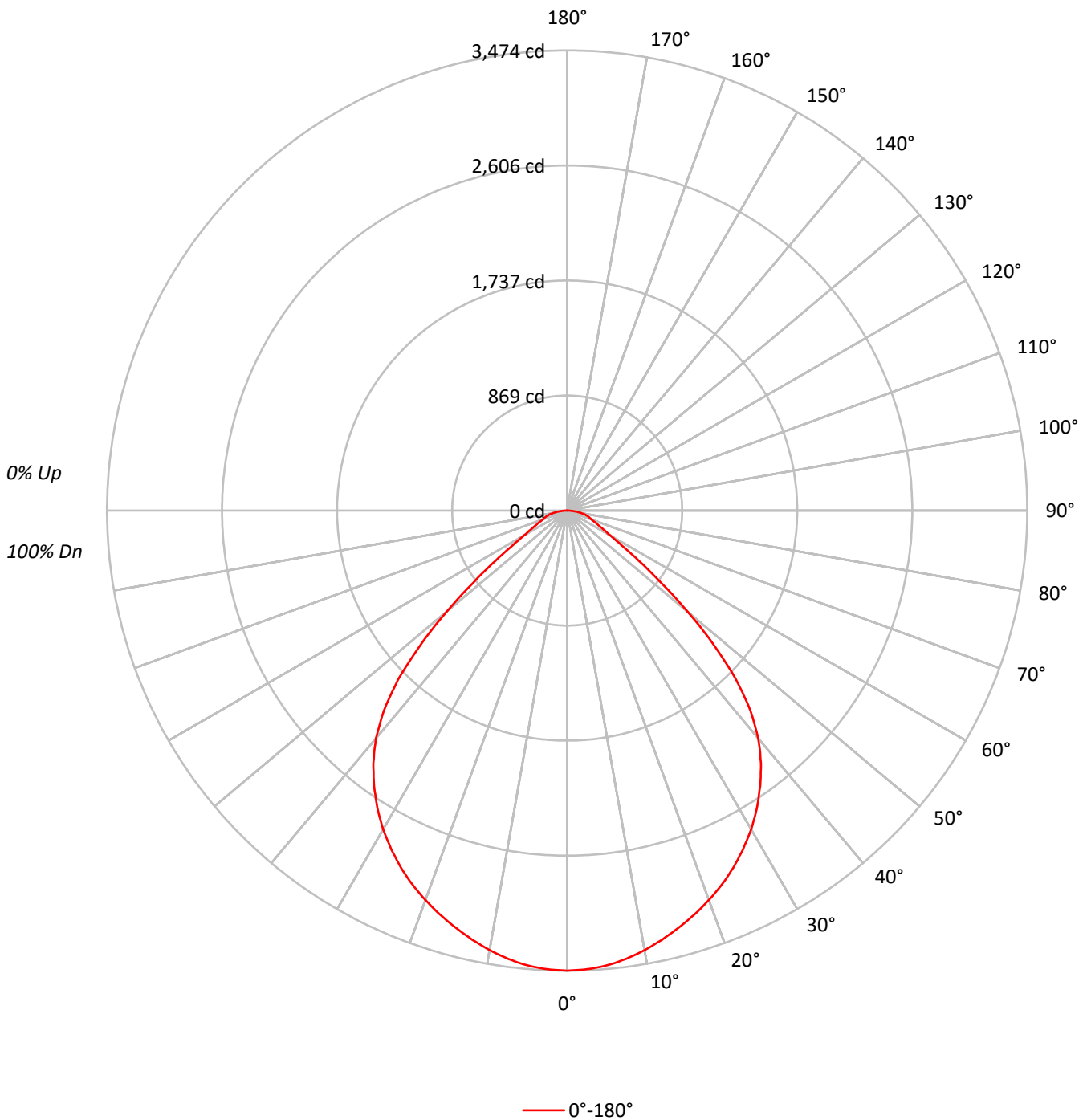
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	107	104	101	109	105	102	99	101	98	96		97	95	93		94	92	91	89
2	103	97	91	86	101	95	90	85	91	87	83		88	85	82		85	82	80	78
3	96	87	80	75	93	86	79	74	83	77	73		80	76	72		78	74	71	69
4	89	79	71	66	87	78	71	65	75	69	64		73	68	64		71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	46		56	50	46		55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	43	38	62	50	43	38	49	43	38		48	42	38		47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	39	35	33

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

	0°
0°	107132
5°	106702
10°	105506
15°	104041
20°	102682
25°	101123
30°	98923
35°	95609
40°	90374
45°	78714
50°	56920
55°	35440
60°	23078
65°	18956
70°	17482
75°	18944
80°	19285
85°	17160



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	326.6	4.9
10°-20°	919.4	13.8
20°-30°	1367.7	20.5
30°-40°	1583.1	23.8
40°-50°	1358.4	20.4
50°-60°	624.6	9.4
60°-70°	265.2	4.0
70°-80°	164.3	2.5
80°-90°	54.8	0.8
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°	2613.6	39.2
0°-40°	4196.7	63.0
0°-60°	6179.7	92.7
0°-90°	6664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6664.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3474	
5°	3447	327
15°	3259	919
25°	2972	1368
35°	2540	1583
45°	1805	1358
55°	659	625
65°	260	265
75°	159	164
85°	48	55
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3474.2
2.5°	3466.5
5°	3447.1
7.5°	3414.1
10°	3369.5
12.5°	3317.2
15°	3259.0
17.5°	3197.0
20°	3129.1
22.5°	3055.5
25°	2972.1
27.5°	2879.0
30°	2778.2
32.5°	2665.8
35°	2539.8
37.5°	2404.0
40°	2245.1
42.5°	2049.3
45°	1805.0
47.5°	1504.5
50°	1186.5
52.5°	891.8
55°	659.2
57.5°	484.7
60°	374.2
62.5°	306.3
65°	259.8
67.5°	223.0
70°	193.9
72.5°	176.4
75°	159.0
77.5°	135.7
80°	108.6
82.5°	77.5
85°	48.5
87.5°	21.3
90°	0.0

(END OF REPORT)