

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: P251096

Luminaire Tested: **LD8B60D010 ER8B60940 8LBS0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251096  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B60D010 ER8B60940 8LBS0WMH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 4000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5971.0 lumens  
Efficiency: N/A  
Efficacy: 100.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

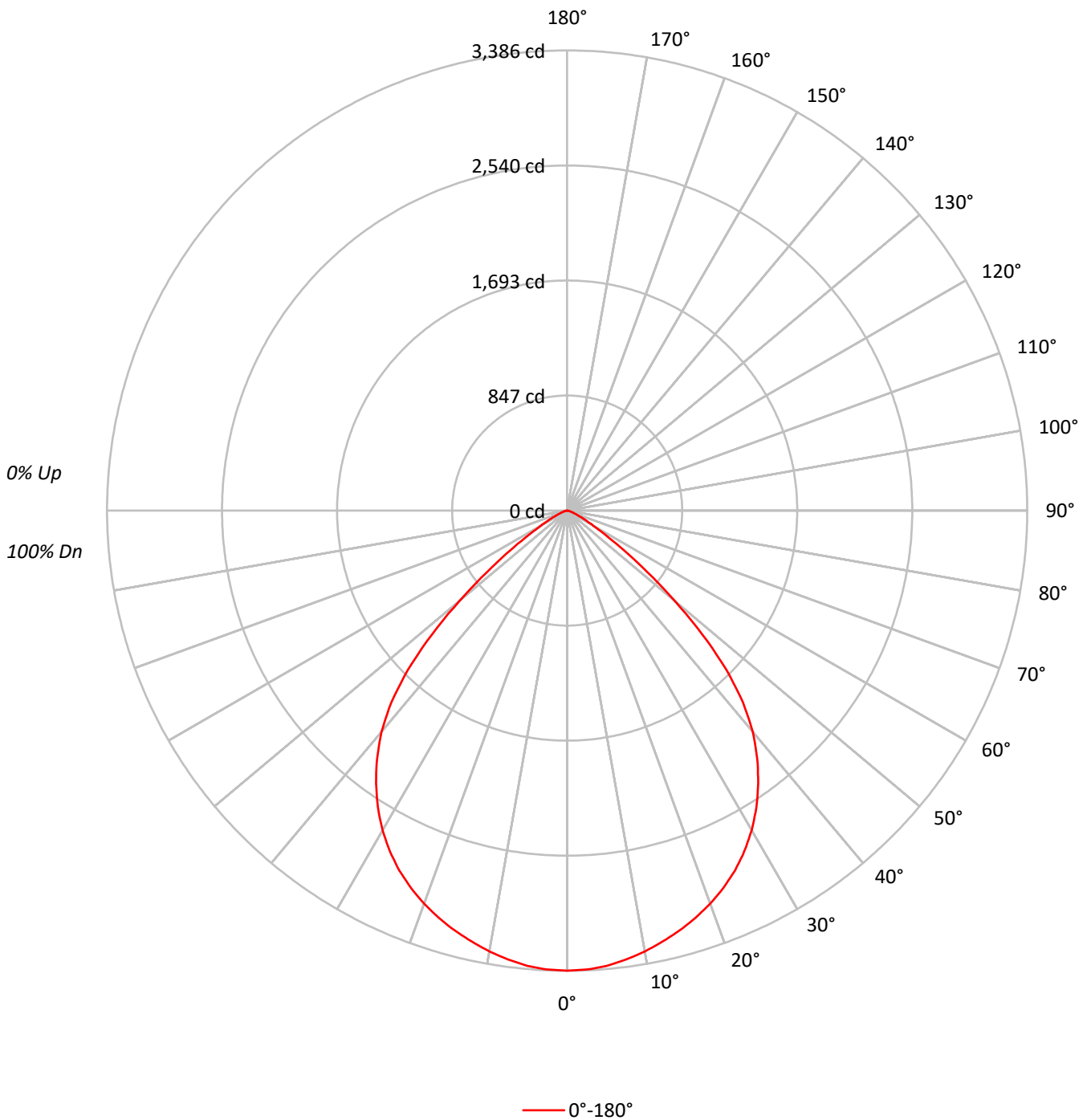
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86		90	87	85		88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61		70	64	60		68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55		64	58	54		63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49		59	53	49		58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

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

	0°
0°	104396
5°	104071
10°	103139
15°	102116
20°	101019
25°	99422
30°	96694
35°	92285
40°	85528
45°	72212
50°	49541
55°	27327
60°	13734
65°	7734
70°	4210
75°	2990
80°	1918
85°	1274



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.7	5.3
10°-20°	902.1	15.1
20°-30°	1343.1	22.5
30°-40°	1525.6	25.6
40°-50°	1247.1	20.9
50°-60°	488.7	8.2
60°-70°	113.9	1.9
70°-80°	27.4	0.5
80°-90°	4.4	0.1
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°	2563.9	42.9
0°-40°	4089.5	68.5
0°-60°	5825.3	97.6
0°-90°	5971.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5971.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3386	
5°	3362	319
15°	3199	902
25°	2922	1343
35°	2452	1526
45°	1656	1247
55°	508	489
65°	106	114
75°	25	27
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3385.5
2.5°	3380.1
5°	3362.1
7.5°	3331.6
10°	3293.9
12.5°	3247.2
15°	3198.7
17.5°	3141.2
20°	3078.4
22.5°	3004.7
25°	2922.1
27.5°	2825.1
30°	2715.6
32.5°	2591.6
35°	2451.5
37.5°	2297.1
40°	2124.7
42.5°	1916.3
45°	1655.9
47.5°	1350.6
50°	1032.7
52.5°	741.7
55°	508.3
57.5°	332.3
60°	222.7
62.5°	152.7
65°	106.0
67.5°	70.0
70°	46.7
72.5°	32.3
75°	25.1
77.5°	18.0
80°	10.8
82.5°	5.4
85°	3.6
87.5°	1.8
90°	0.0

(END OF REPORT)