

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: P251000

Luminaire Tested: **LD8B60D010 ER8B60940 8LBS0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251000  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B60D010 ER8B60940 8LBS0H  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6090.0 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

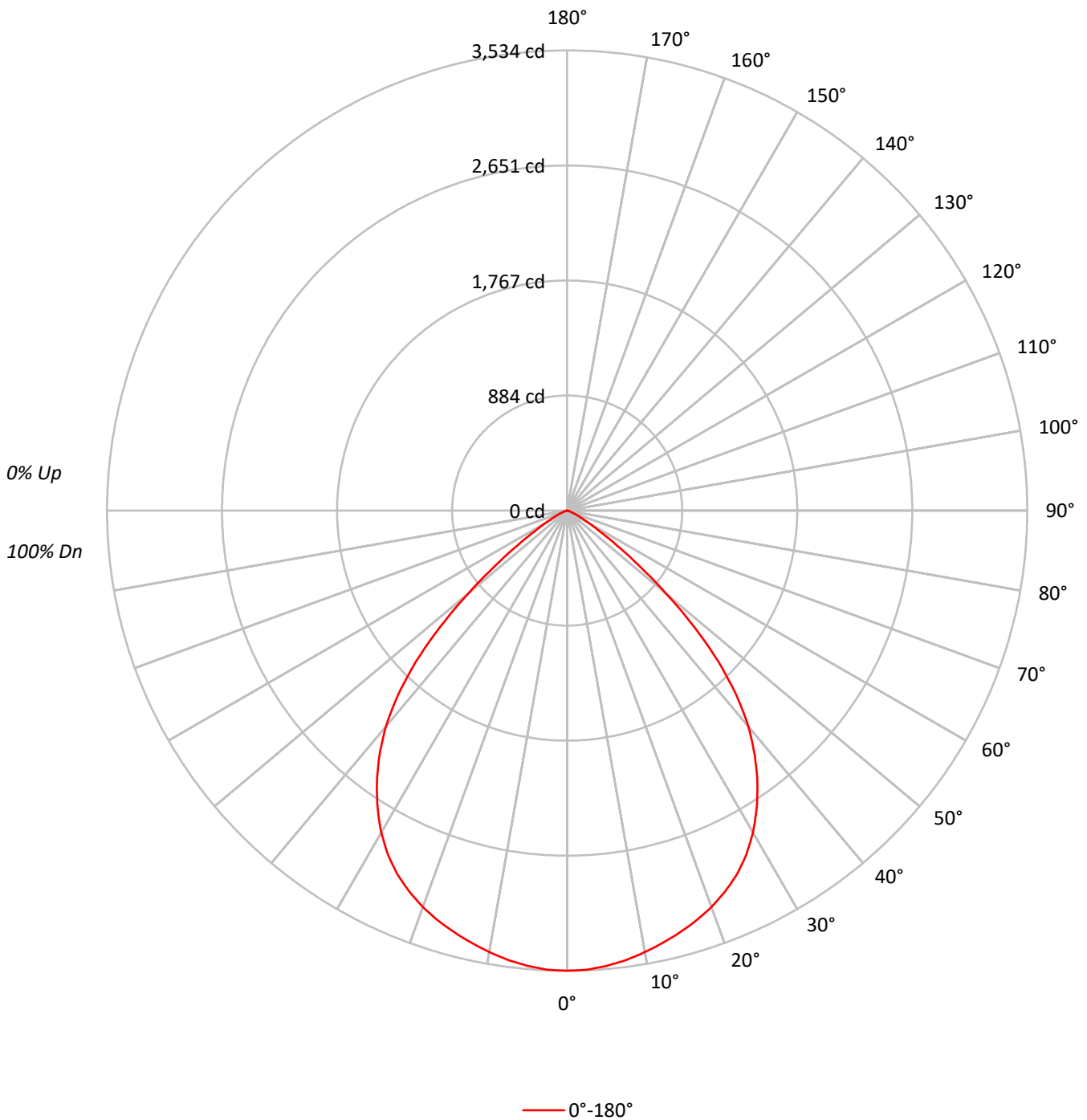
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

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

	0°
0°	108982
5°	108618
10°	107795
15°	107035
20°	106312
25°	104910
30°	101671
35°	95929
40°	87182
45°	71737
50°	47814
55°	24908
60°	11742
65°	6158
70°	3074
75°	2145
80°	1598
85°	1274



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	332.9	5.5
10°-20°	946.3	15.5
20°-30°	1415.6	23.2
30°-40°	1583.4	26.0
40°-50°	1242.2	20.4
50°-60°	453.3	7.4
60°-70°	92.4	1.5
70°-80°	19.9	0.3
80°-90°	4.2	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°	2694.8	44.2
0°-40°	4278.2	70.2
0°-60°	5973.6	98.1
0°-90°	6090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6090.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3534	
5°	3509	333
15°	3353	946
25°	3083	1416
35°	2548	1583
45°	1645	1242
55°	463	453
65°	84	92
75°	18	20
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3534.2
2.5°	3528.8
5°	3509.0
7.5°	3480.3
10°	3442.6
12.5°	3399.5
15°	3352.8
17.5°	3300.7
20°	3239.7
22.5°	3167.8
25°	3083.4
27.5°	2979.3
30°	2855.4
32.5°	2709.9
35°	2548.3
37.5°	2366.9
40°	2165.8
42.5°	1926.9
45°	1645.0
47.5°	1327.1
50°	996.7
52.5°	698.6
55°	463.3
57.5°	296.3
60°	190.4
62.5°	125.7
65°	84.4
67.5°	53.9
70°	34.1
72.5°	23.3
75°	18.0
77.5°	12.6
80°	9.0
82.5°	5.4
85°	3.6
87.5°	1.8
90°	0.0

(END OF REPORT)