

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: P251428

Luminaire Tested: **LSR8B60D010 EC8B60930 8LBW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251428  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B60D010 EC8B60930 8LBW0MW  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5887.4 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

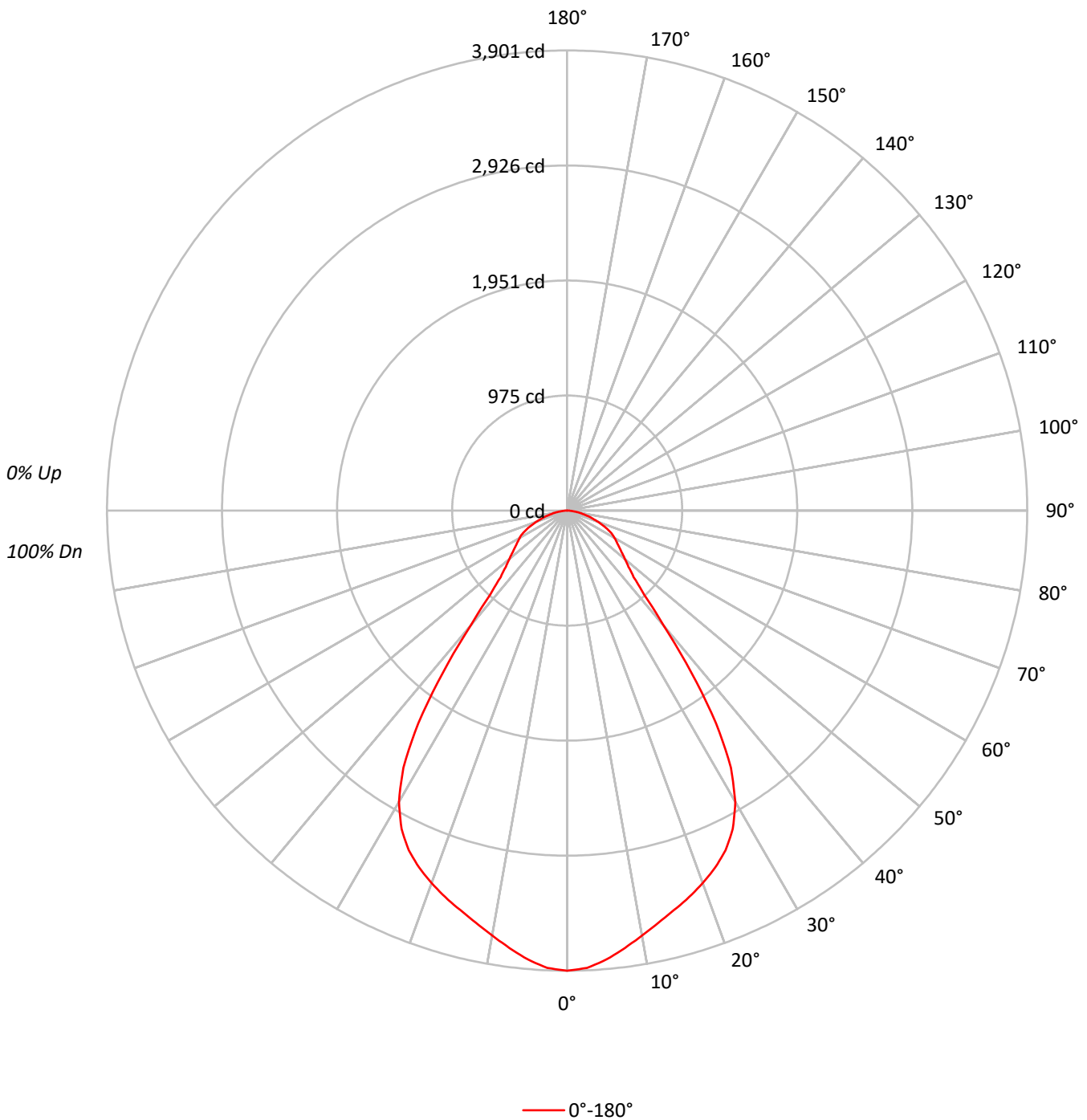
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84		88	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54		63	58	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45		55	49	45		54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	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°	120289
5°	118263
10°	114546
15°	111894
20°	110299
25°	108139
30°	101529
35°	82877
40°	51340
45°	34774
50°	30635
55°	28908
60°	28678
65°	27792
70°	24911
75°	21589
80°	18237
85°	14506



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	359.4	6.1
10°-20°	989.9	16.8
20°-30°	1451.8	24.7
30°-40°	1327.0	22.5
40°-50°	657.0	11.2
50°-60°	485.8	8.3
60°-70°	373.4	6.3
70°-80°	194.6	3.3
80°-90°	48.5	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°	2801.1	47.6
0°-40°	4128.1	70.1
0°-60°	5270.9	89.5
0°-90°	5887.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5887.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3901	
5°	3821	359
15°	3505	990
25°	3178	1452
35°	2202	1327
45°	797	657
55°	538	486
65°	381	373
75°	181	195
85°	41	48
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3900.9
2.5°	3880.3
5°	3820.6
7.5°	3740.3
10°	3658.2
12.5°	3577.8
15°	3505.0
17.5°	3435.9
20°	3361.2
22.5°	3277.1
25°	3178.3
27.5°	3041.9
30°	2851.4
32.5°	2584.4
35°	2201.6
37.5°	1727.2
40°	1275.4
42.5°	965.4
45°	797.4
47.5°	705.9
50°	638.6
52.5°	584.5
55°	537.7
57.5°	498.6
60°	465.0
62.5°	429.5
65°	380.9
67.5°	328.7
70°	276.3
72.5°	227.8
75°	181.2
77.5°	140.0
80°	102.7
82.5°	71.0
85°	41.0
87.5°	14.9
90°	0.0

(END OF REPORT)