

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: P251024

Luminaire Tested: **LSR8B60D010 EC8B60940 8LBW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251024  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-44)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B60D010 EC8B60940 8LBW0WMH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 4000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5404.0 lumens  
Efficiency: N/A  
Efficacy: 90.8 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.06  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

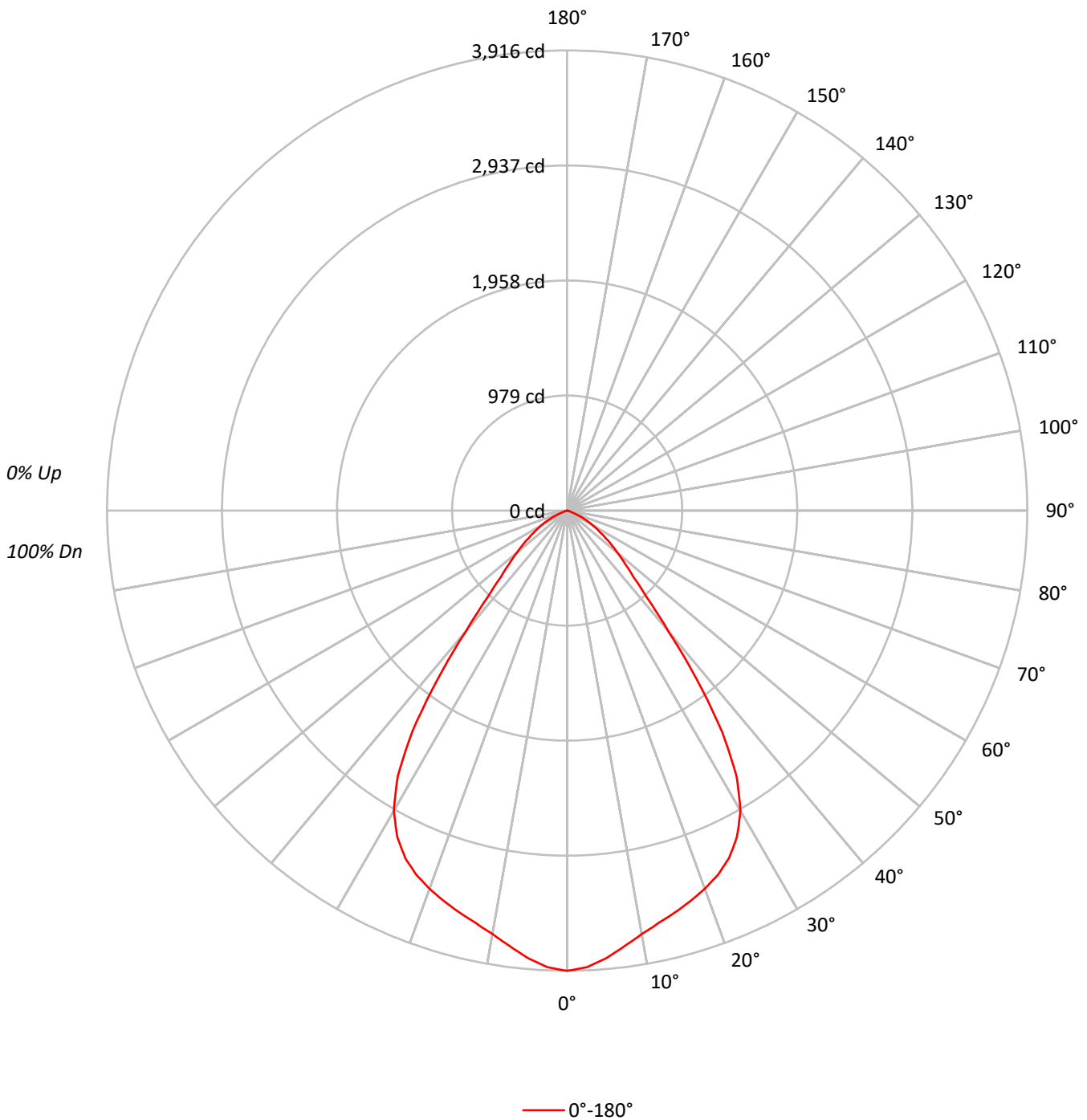
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41

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

	0°
0°	120764
5°	118334
10°	114586
15°	113043
20°	112370
25°	110949
30°	104986
35°	86589
40°	54065
45°	34770
50°	26961
55°	20757
60°	15727
65°	10222
70°	4373
75°	2145
80°	959
85°	637



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	359.6	6.7
10°-20°	1000.4	18.5
20°-30°	1490.1	27.6
30°-40°	1383.8	25.6
40°-50°	653.6	12.1
50°-60°	351.2	6.5
60°-70°	141.0	2.6
70°-80°	22.2	0.4
80°-90°	2.2	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°	2850.0	52.7
0°-40°	4233.9	78.3
0°-60°	5238.7	96.9
0°-90°	5404.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5404.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3916	
5°	3823	360
15°	3541	1000
25°	3261	1490
35°	2300	1384
45°	797	654
55°	386	351
65°	140	141
75°	18	22
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3916.3
2.5°	3889.4
5°	3822.9
7.5°	3738.5
10°	3659.5
12.5°	3594.9
15°	3541.0
17.5°	3485.4
20°	3424.3
22.5°	3354.3
25°	3260.9
27.5°	3129.8
30°	2948.5
32.5°	2682.7
35°	2300.2
37.5°	1811.8
40°	1343.1
42.5°	1000.2
45°	797.3
47.5°	666.2
50°	562.0
52.5°	468.7
55°	386.1
57.5°	314.2
60°	255.0
62.5°	199.3
65°	140.1
67.5°	82.6
70°	48.5
72.5°	28.7
75°	18.0
77.5°	10.8
80°	5.4
82.5°	3.6
85°	1.8
87.5°	0.0
90°	0.0

(END OF REPORT)