

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: P251476

Luminaire Tested: **LSR8B60D010 EC8B60940 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B60940 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5567.1 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

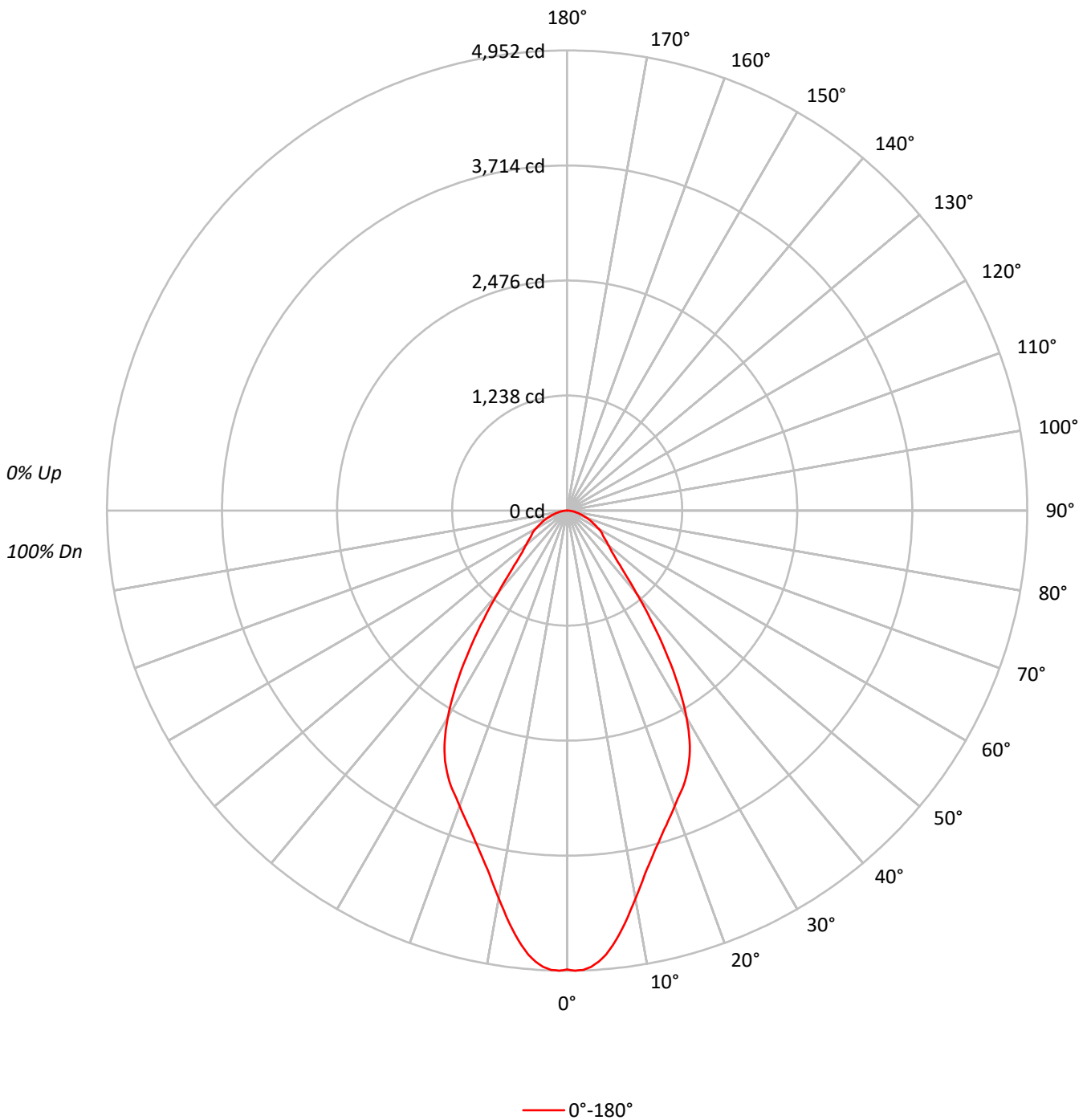
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44		54	48	44		53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	152282
5°	148422
10°	132685
15°	119237
20°	111040
25°	104611
30°	91463
35°	69303
40°	46546
45°	32807
50°	27824
55°	25370
60°	24040
65°	21627
70°	19456
75°	17502
80°	15414
85°	14860



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.9	7.9
10°-20°	1053.3	18.9
20°-30°	1395.8	25.1
30°-40°	1144.6	20.6
40°-50°	609.7	11.0
50°-60°	429.1	7.7
60°-70°	295.9	5.3
70°-80°	154.1	2.8
80°-90°	45.6	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°	2888.0	51.9
0°-40°	4032.6	72.4
0°-60°	5071.4	91.1
0°-90°	5567.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5567.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4938	
5°	4795	439
15°	3735	1053
25°	3075	1396
35°	1841	1145
45°	752	610
55°	472	429
65°	296	296
75°	147	154
85°	42	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4938.4
1°	4952.4
2°	4946.4
3°	4917.1
4°	4867.0
5°	4794.9
6°	4704.8
7°	4596.6
8°	4480.5
9°	4356.9
10°	4237.5
11°	4123.3
12°	4007.3
13°	3910.5
14°	3818.8
15°	3735.0
16°	3656.1
17°	3583.3
18°	3515.9
19°	3448.4
20°	3383.8
21°	3320.9
22°	3266.1
23°	3210.0
24°	3144.0
25°	3074.6
26°	2995.8
27°	2907.1
28°	2807.0
29°	2696.1
30°	2568.7
31°	2435.2
32°	2295.0
33°	2145.4
34°	1995.2
35°	1841.0
37.5°	1475.2
40°	1156.3
42.5°	913.2
45°	752.3
47.5°	646.1
50°	580.0
52.5°	522.0
55°	471.9
57.5°	441.3



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CANDELA DISTRIBUTION (continued):

	0°
60°	389.8
62.5°	339.9
65°	296.4
67.5°	257.8
70°	215.8
72.5°	180.2
75°	146.9
77.5°	106.2
80°	86.8
82.5°	62.8
85°	42.0
87.5°	19.5
90°	0.0

(END OF REPORT)