

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: P251472

Luminaire Tested: **LSR8B60D010 EC8B609730 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251472
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 EC8B609730 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5163.9 lumens
Efficiency: N/A
Efficacy: 86.8 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

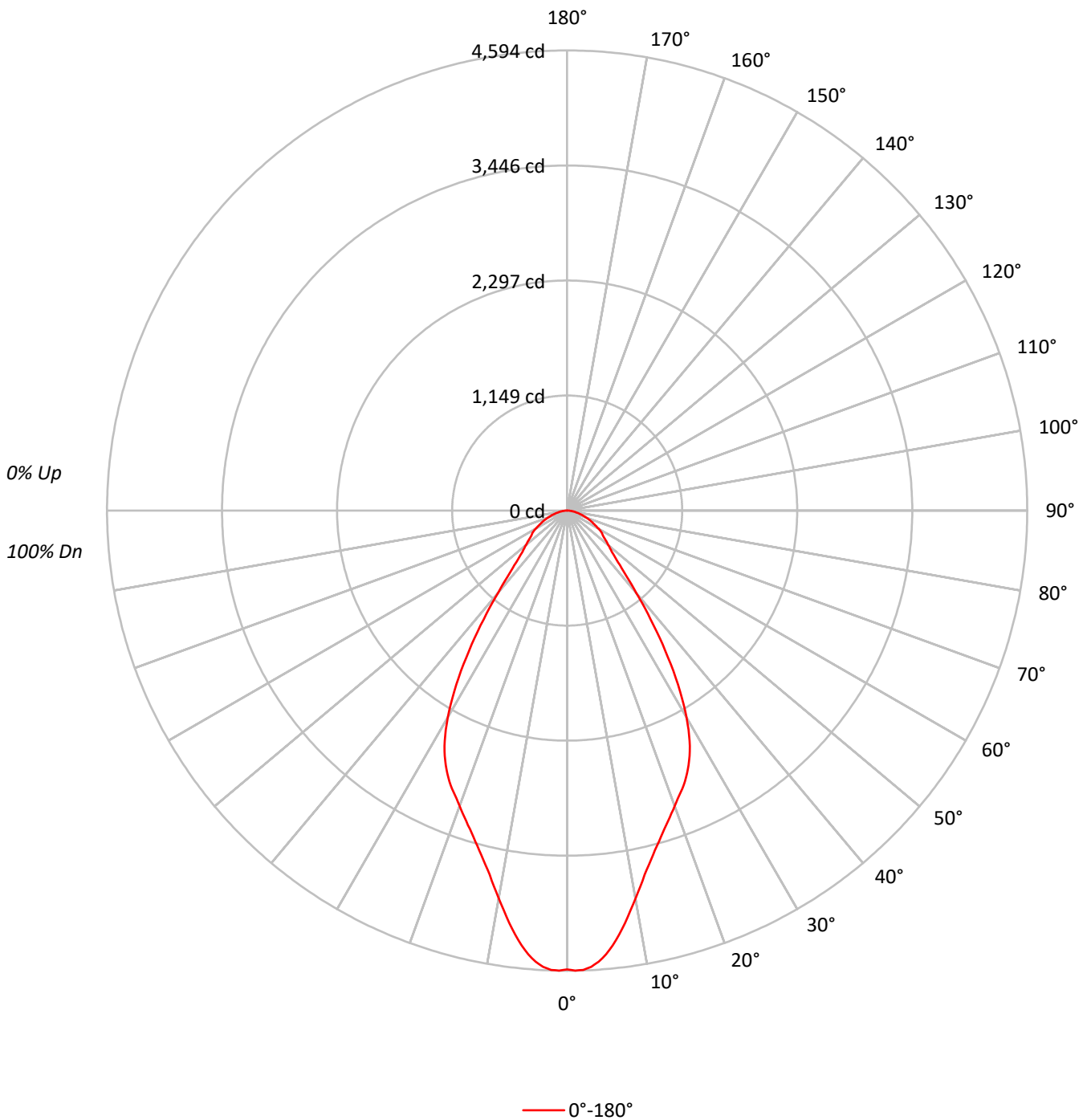
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	141258
5°	137678
10°	123081
15°	110604
20°	103004
25°	97037
30°	84844
35°	64285
40°	43176
45°	30435
50°	25809
55°	23531
60°	22301
65°	20058
70°	18050
75°	16227
80°	14295
85°	13763



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.1	7.9
10°-20°	977.1	18.9
20°-30°	1294.8	25.1
30°-40°	1061.7	20.6
40°-50°	565.6	11.0
50°-60°	398.0	7.7
60°-70°	274.5	5.3
70°-80°	142.9	2.8
80°-90°	42.3	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°	2678.9	51.9
0°-40°	3740.6	72.4
0°-60°	4704.3	91.1
0°-90°	5163.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5163.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4581	
5°	4448	407
15°	3465	977
25°	2852	1295
35°	1708	1062
45°	698	566
55°	438	398
65°	275	275
75°	136	143
85°	39	42
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4580.9
1°	4593.9
2°	4588.3
3°	4561.2
4°	4514.7
5°	4447.8
6°	4364.2
7°	4263.8
8°	4156.2
9°	4041.5
10°	3930.8
11°	3824.8
12°	3717.2
13°	3627.4
14°	3542.3
15°	3464.6
16°	3391.4
17°	3323.9
18°	3261.3
19°	3198.8
20°	3138.9
21°	3080.5
22°	3029.6
23°	2977.6
24°	2916.4
25°	2852.0
26°	2779.0
27°	2696.6
28°	2603.8
29°	2500.9
30°	2382.8
31°	2258.9
32°	2128.8
33°	1990.1
34°	1850.8
35°	1707.7
37.5°	1368.4
40°	1072.6
42.5°	847.1
45°	697.9
47.5°	599.3
50°	538.0
52.5°	484.2
55°	437.7
57.5°	409.3



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CANDELA DISTRIBUTION (continued):

	0°
60°	361.6
62.5°	315.3
65°	274.9
67.5°	239.1
70°	200.2
72.5°	167.1
75°	136.2
77.5°	98.5
80°	80.5
82.5°	58.2
85°	38.9
87.5°	18.1
90°	0.0

(END OF REPORT)