

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: P251012

Luminaire Tested: **LSR8B60D010 EC8B60835 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251012
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 EC8B60835 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6067.0 lumens
Efficiency: N/A
Efficacy: 102.0 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

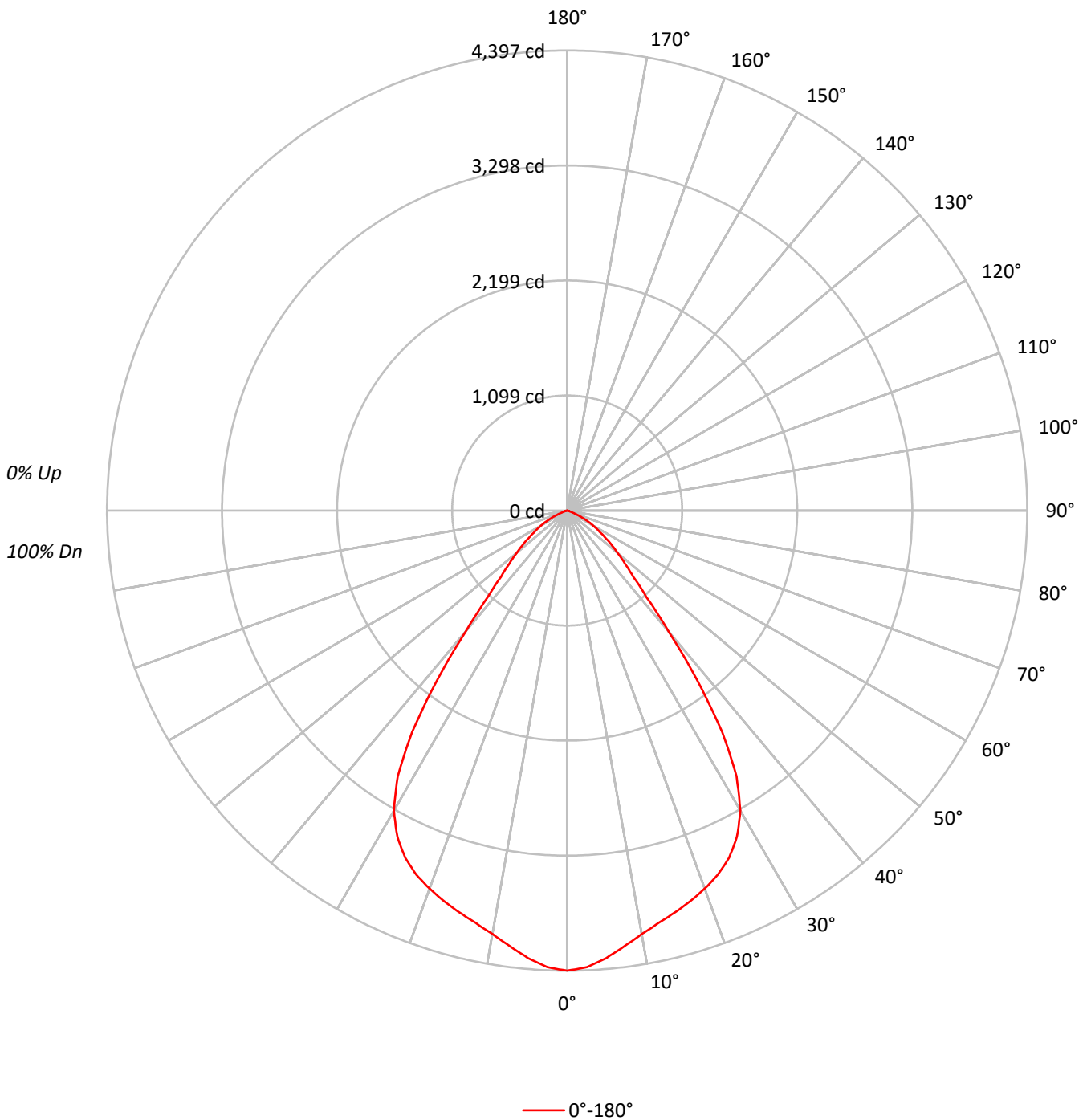
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	135581
5°	132855
10°	128645
15°	126914
20°	126155
25°	124562
30°	117865
35°	97212
40°	60699
45°	39035
50°	30271
55°	23300
60°	17657
65°	11470
70°	4905
75°	2407
80°	1065
85°	708



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.7	6.7
10°-20°	1123.1	18.5
20°-30°	1672.9	27.6
30°-40°	1553.6	25.6
40°-50°	733.8	12.1
50°-60°	394.3	6.5
60°-70°	158.3	2.6
70°-80°	24.9	0.4
80°-90°	2.4	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°	3199.7	52.7
0°-40°	4753.3	78.3
0°-60°	5881.4	96.9
0°-90°	6067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6067.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4397	
5°	4292	404
15°	3976	1123
25°	3661	1673
35°	2582	1554
45°	895	734
55°	433	394
65°	157	158
75°	20	25
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4396.8
2.5°	4366.6
5°	4292.0
7.5°	4197.2
10°	4108.5
12.5°	4035.9
15°	3975.5
17.5°	3913.0
20°	3844.4
22.5°	3765.8
25°	3661.0
27.5°	3513.8
30°	3310.2
32.5°	3011.8
35°	2582.4
37.5°	2034.1
40°	1507.9
42.5°	1122.9
45°	895.1
47.5°	747.9
50°	631.0
52.5°	526.2
55°	433.4
57.5°	352.8
60°	286.3
62.5°	223.8
65°	157.2
67.5°	92.7
70°	54.4
72.5°	32.3
75°	20.2
77.5°	12.1
80°	6.0
82.5°	4.0
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)