

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: P251008

Luminaire Tested: **LSR8B60D010 EC8B60827 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251008
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 EC8B60827 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5692.0 lumens
Efficiency: N/A
Efficacy: 95.7 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

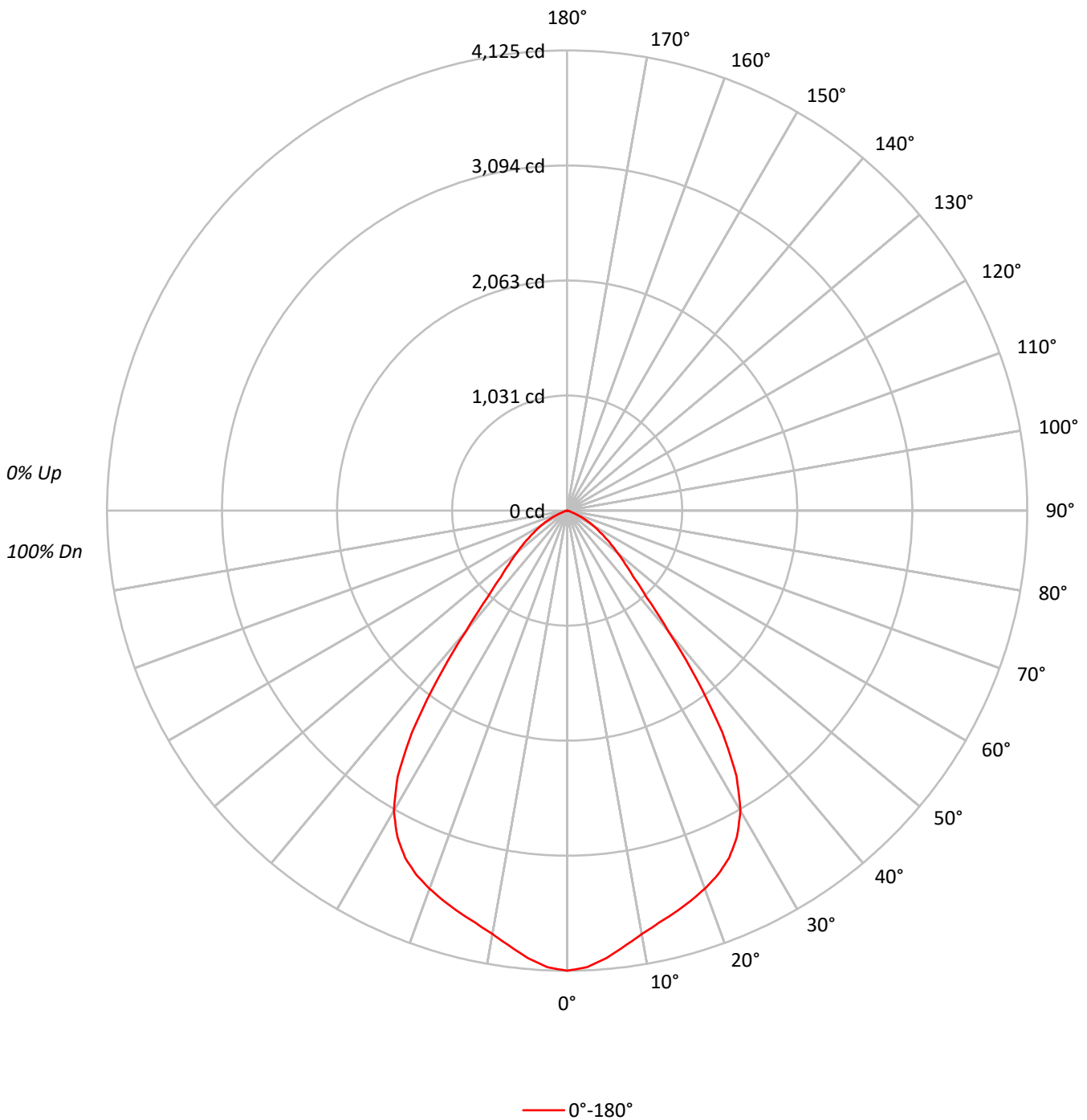
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	127200
5°	124643
10°	120695
15°	119067
20°	118358
25°	116863
30°	110580
35°	91204
40°	56947
45°	36623
50°	28400
55°	21859
60°	16565
65°	10762
70°	4607
75°	2252
80°	1012
85°	672



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.7	6.7
10°-20°	1053.7	18.5
20°-30°	1569.5	27.6
30°-40°	1457.6	25.6
40°-50°	688.5	12.1
50°-60°	369.9	6.5
60°-70°	148.5	2.6
70°-80°	23.3	0.4
80°-90°	2.3	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°	3001.9	52.7
0°-40°	4459.5	78.3
0°-60°	5517.8	96.9
0°-90°	5692.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5692.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4125	
5°	4027	379
15°	3730	1054
25°	3435	1569
35°	2423	1458
45°	840	688
55°	407	370
65°	148	148
75°	19	23
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4125.0
2.5°	4096.7
5°	4026.7
7.5°	3937.8
10°	3854.6
12.5°	3786.5
15°	3729.7
17.5°	3671.1
20°	3606.8
22.5°	3533.0
25°	3434.7
27.5°	3296.6
30°	3105.6
32.5°	2825.7
35°	2422.8
37.5°	1908.4
40°	1414.7
42.5°	1053.5
45°	839.8
47.5°	701.7
50°	592.0
52.5°	493.6
55°	406.6
57.5°	331.0
60°	268.6
62.5°	209.9
65°	147.5
67.5°	87.0
70°	51.1
72.5°	30.3
75°	18.9
77.5°	11.3
80°	5.7
82.5°	3.8
85°	1.9
87.5°	0.0
90°	0.0

(END OF REPORT)