

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: P246538

Luminaire Tested: **LSR8B40D010 EC8B40827 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B40D010 EC8B40827 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4208.1 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

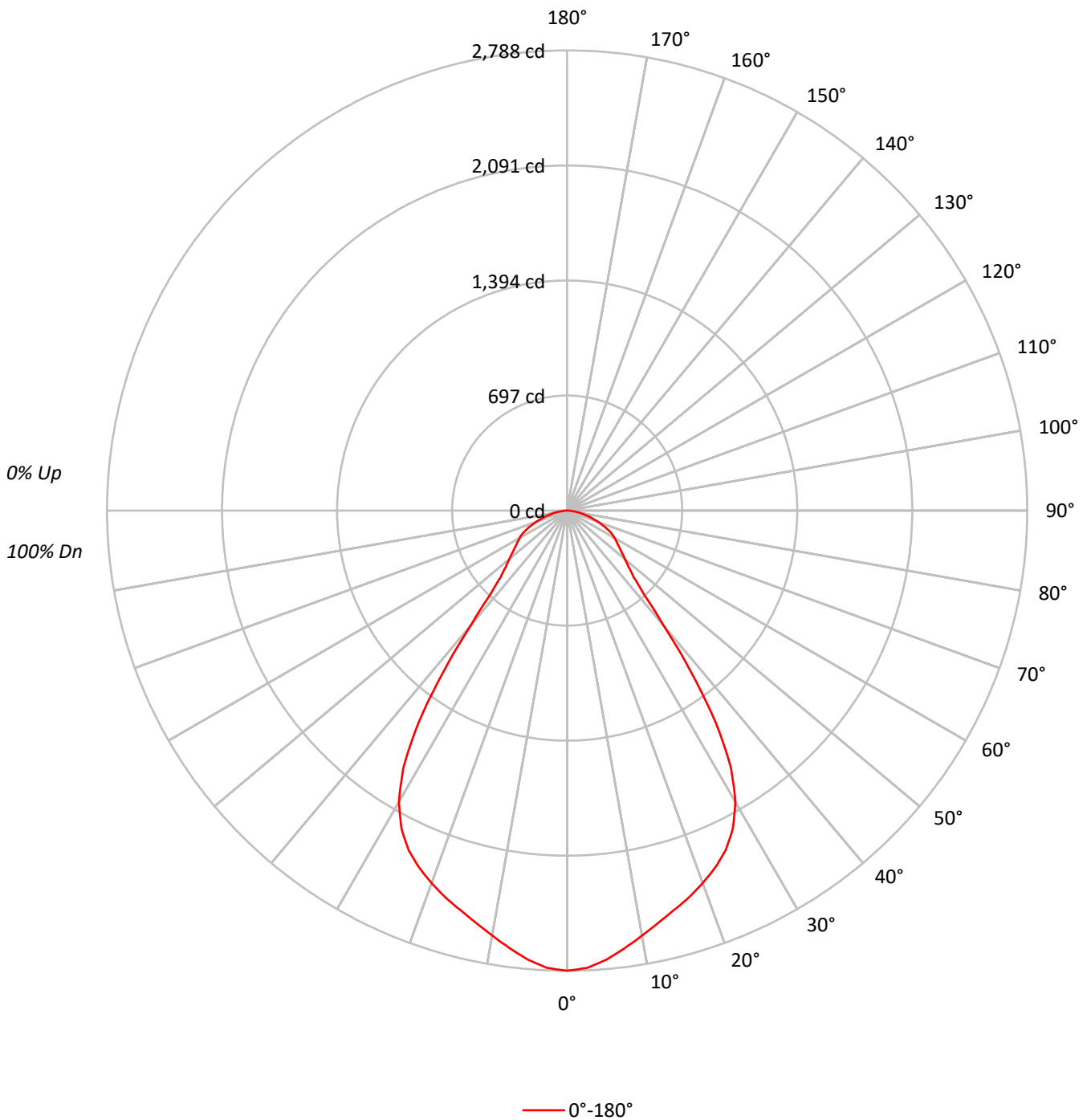
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246538

CATALOG NUMBER: LSR8B40D010 EC8B40827 8LBW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P246538

CATALOG NUMBER: LSR8B40D010 EC8B40827 8LBW0MW

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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84		88	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54		63	58	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45		55	49	45		54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85975
5°	84526
10°	81868
15°	79973
20°	78836
25°	77289
30°	72566
35°	59237
40°	36696
45°	24853
50°	21900
55°	20666
60°	20494
65°	19868
70°	17806
75°	15429
80°	13034
85°	10402



TEST NUMBER: P246538

CATALOG NUMBER: LSR8B40D010 EC8B40827 8LBW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.9	6.1
10°-20°	707.5	16.8
20°-30°	1037.6	24.7
30°-40°	948.5	22.5
40°-50°	469.6	11.2
50°-60°	347.2	8.3
60°-70°	266.9	6.3
70°-80°	139.1	3.3
80°-90°	34.7	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°	2002.0	47.6
0°-40°	2950.5	70.1
0°-60°	3767.3	89.5
0°-90°	4208.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4208.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2788	
5°	2731	257
15°	2505	708
25°	2272	1038
35°	1574	948
45°	570	470
55°	384	347
65°	272	267
75°	130	139
85°	29	35
90°	0	



TEST NUMBER: P246538

CATALOG NUMBER: LSR8B40D010 EC8B40827 8LBW0MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2788.1
2.5°	2773.4
5°	2730.7
7.5°	2673.3
10°	2614.6
12.5°	2557.2
15°	2505.1
17.5°	2455.8
20°	2402.4
22.5°	2342.3
25°	2271.6
27.5°	2174.2
30°	2038.0
32.5°	1847.2
35°	1573.6
37.5°	1234.6
40°	911.6
42.5°	690.0
45°	569.9
47.5°	504.5
50°	456.5
52.5°	417.7
55°	384.4
57.5°	356.4
60°	332.3
62.5°	307.0
65°	272.3
67.5°	234.9
70°	197.5
72.5°	162.8
75°	129.5
77.5°	100.1
80°	73.4
82.5°	50.7
85°	29.4
87.5°	10.7
90°	0.0

(END OF REPORT)