

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: P246586

Luminaire Tested: **LSR8B40D010 EC8B40940 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246586
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 EC8B40940 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3995.0 lumens
Efficiency: N/A
Efficacy: 97.7 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

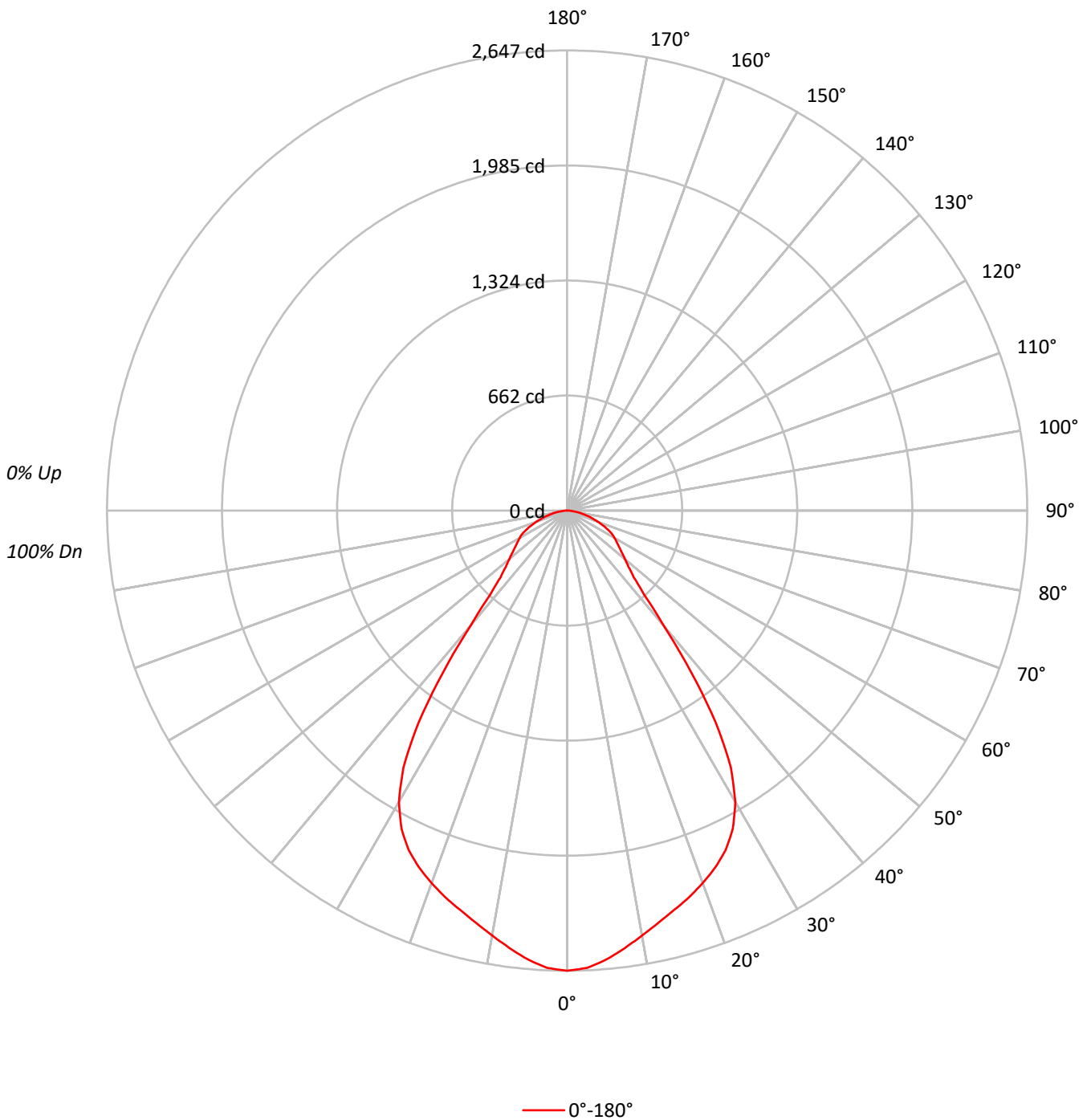
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246586

CATALOG NUMBER: LSR8B40D010 EC8B40940 8LBW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P246586

CATALOG NUMBER: LSR8B40D010 EC8B40940 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°	81624
5°	80249
10°	77723
15°	75925
20°	74845
25°	73376
30°	68895
35°	56237
40°	34836
45°	23597
50°	20787
55°	19618
60°	19458
65°	18861
70°	16905
75°	14643
80°	12377
85°	9871



TEST NUMBER: P246586

CATALOG NUMBER: LSR8B40D010 EC8B40940 8LBW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.9	6.1
10°-20°	671.7	16.8
20°-30°	985.1	24.7
30°-40°	900.5	22.5
40°-50°	445.8	11.2
50°-60°	329.6	8.3
60°-70°	253.4	6.3
70°-80°	132.1	3.3
80°-90°	32.9	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°	1900.7	47.6
0°-40°	2801.2	70.1
0°-60°	3576.6	89.5
0°-90°	3995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3995.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2647	
5°	2592	244
15°	2378	672
25°	2157	985
35°	1494	900
45°	541	446
55°	365	330
65°	258	253
75°	123	132
85°	28	33
90°	0	



TEST NUMBER: P246586

CATALOG NUMBER: LSR8B40D010 EC8B40940 8LBW0MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2647.0
2.5°	2633.0
5°	2592.5
7.5°	2538.0
10°	2482.2
12.5°	2427.8
15°	2378.3
17.5°	2331.5
20°	2280.8
22.5°	2223.8
25°	2156.6
27.5°	2064.1
30°	1934.9
32.5°	1753.7
35°	1493.9
37.5°	1172.1
40°	865.4
42.5°	655.1
45°	541.1
47.5°	479.0
50°	433.3
52.5°	396.6
55°	364.9
57.5°	338.3
60°	315.5
62.5°	291.4
65°	258.5
67.5°	223.0
70°	187.5
72.5°	154.6
75°	122.9
77.5°	95.0
80°	69.7
82.5°	48.1
85°	27.9
87.5°	10.1
90°	0.0

(END OF REPORT)