

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: P246550

Luminaire Tested: **LSR8B40D010 EC8B40835 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246550
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 EC8B40835 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4485.0 lumens
Efficiency: N/A
Efficacy: 109.7 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

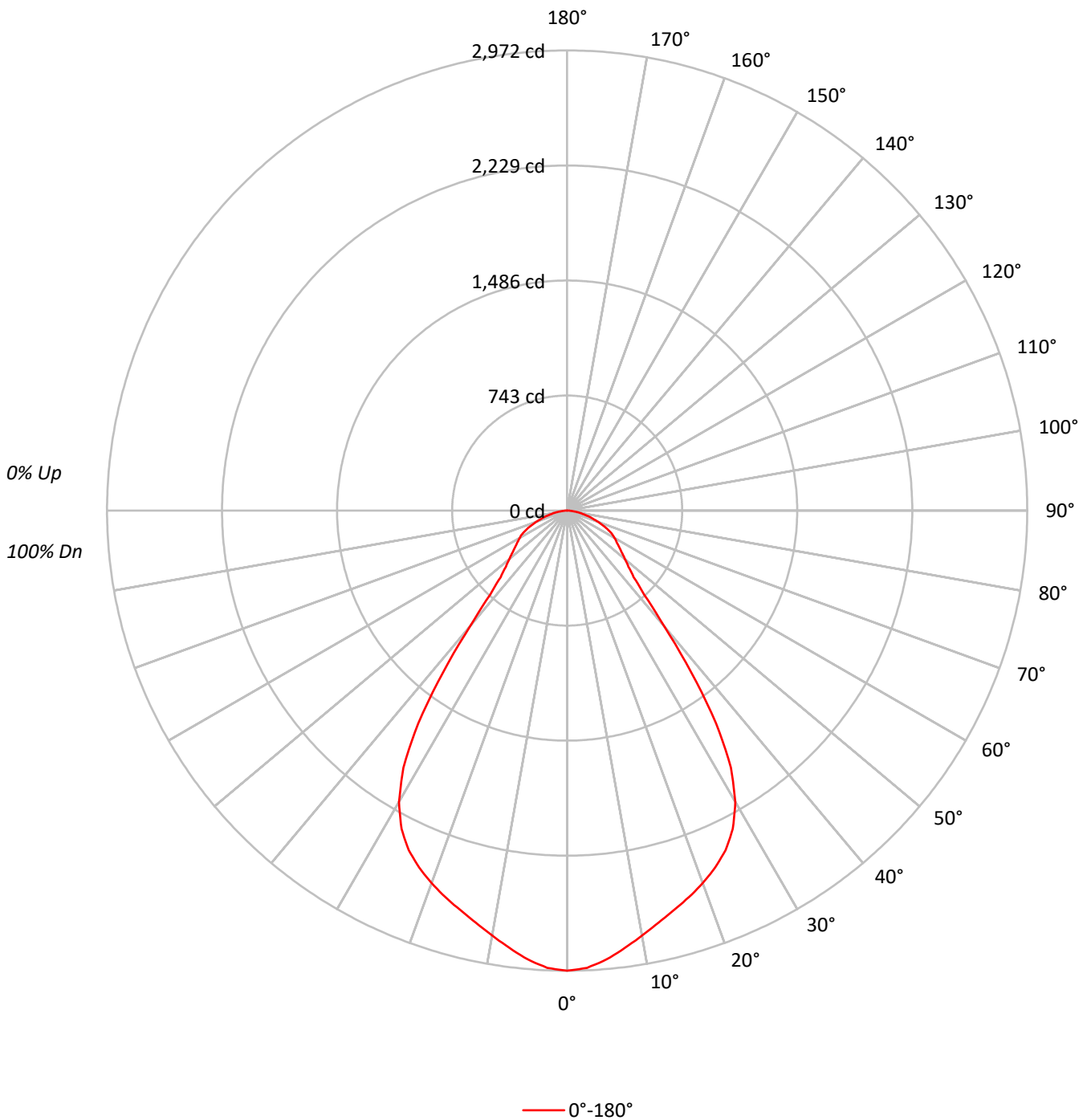
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	91633
5°	90092
10°	87257
15°	85241
20°	84024
25°	82376
30°	77345
35°	63133
40°	39111
45°	26488
50°	23339
55°	22026
60°	21844
65°	21174
70°	18979
75°	16442
80°	13887
85°	11074



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.8	6.1
10°-20°	754.1	16.8
20°-30°	1105.9	24.7
30°-40°	1010.9	22.5
40°-50°	500.5	11.2
50°-60°	370.1	8.3
60°-70°	284.5	6.3
70°-80°	148.3	3.3
80°-90°	37.0	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°	2133.8	47.6
0°-40°	3144.7	70.1
0°-60°	4015.3	89.5
0°-90°	4485.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4485.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2972	
5°	2910	274
15°	2670	754
25°	2421	1106
35°	1677	1011
45°	607	500
55°	410	370
65°	290	284
75°	138	148
85°	31	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2971.6
2.5°	2956.0
5°	2910.5
7.5°	2849.3
10°	2786.7
12.5°	2725.5
15°	2670.1
17.5°	2617.4
20°	2560.5
22.5°	2496.5
25°	2421.1
27.5°	2317.3
30°	2172.2
32.5°	1968.8
35°	1677.1
37.5°	1315.8
40°	971.6
42.5°	735.4
45°	607.4
47.5°	537.7
50°	486.5
52.5°	445.2
55°	409.7
57.5°	379.8
60°	354.2
62.5°	327.2
65°	290.2
67.5°	250.4
70°	210.5
72.5°	173.5
75°	138.0
77.5°	106.7
80°	78.2
82.5°	54.1
85°	31.3
87.5°	11.4
90°	0.0

(END OF REPORT)