

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: P246562

Luminaire Tested: **LSR8B40D010 EC8B40850 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246562
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 EC8B40850 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4543.0 lumens
Efficiency: N/A
Efficacy: 111.1 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

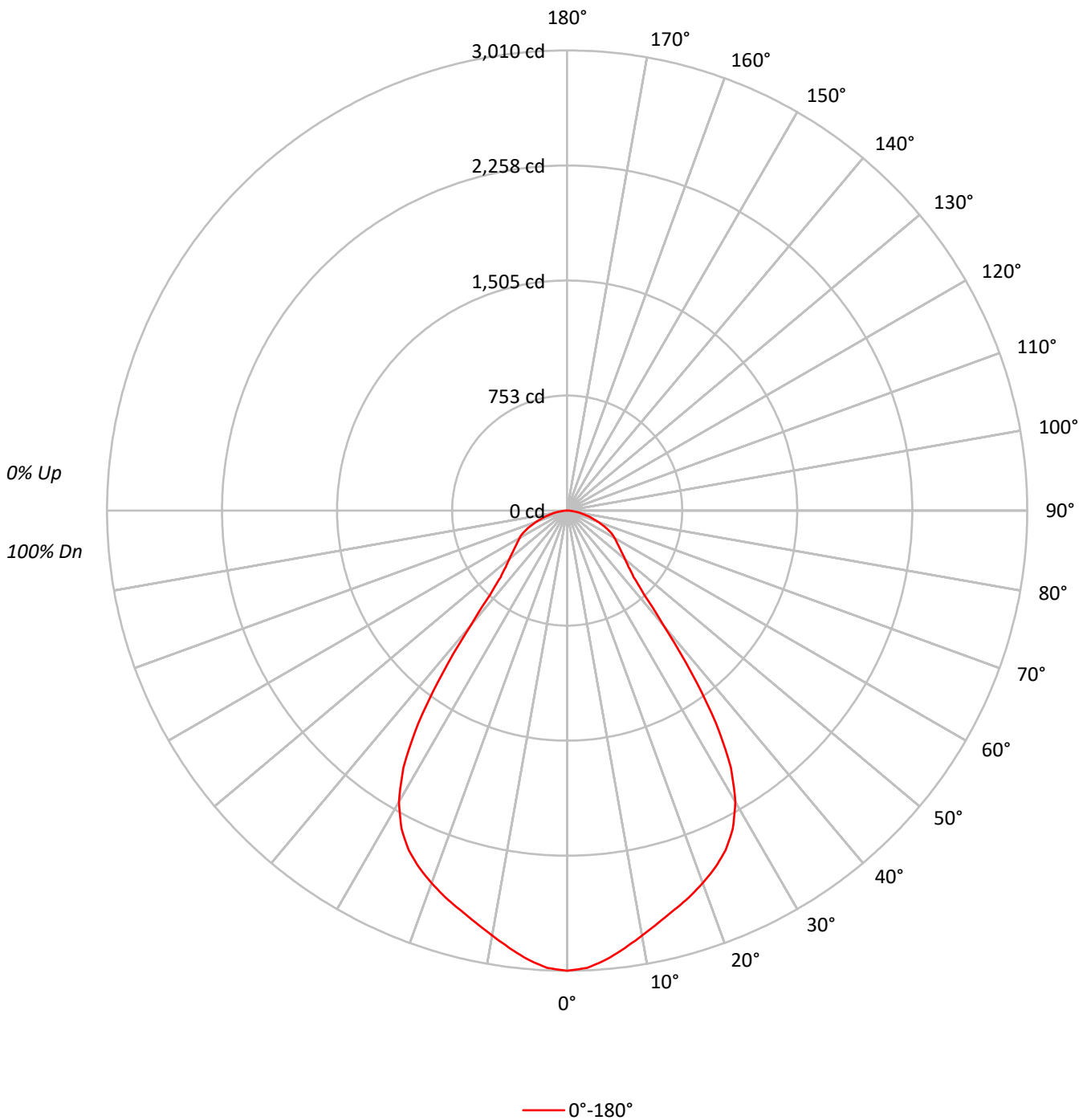
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	92820
5°	91256
10°	88384
15°	86342
20°	85110
25°	83441
30°	78345
35°	63950
40°	39614
45°	26833
50°	23641
55°	22311
60°	22128
65°	21444
70°	19231
75°	16656
80°	14064
85°	11216



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.3	6.1
10°-20°	763.9	16.8
20°-30°	1120.2	24.7
30°-40°	1024.0	22.5
40°-50°	507.0	11.2
50°-60°	374.9	8.3
60°-70°	288.1	6.3
70°-80°	150.2	3.3
80°-90°	37.4	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°	2161.4	47.6
0°-40°	3185.4	70.1
0°-60°	4067.2	89.5
0°-90°	4543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4543.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3010	
5°	2948	277
15°	2705	764
25°	2452	1120
35°	1699	1024
45°	615	507
55°	415	375
65°	294	288
75°	140	150
85°	32	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3010.1
2.5°	2994.2
5°	2948.1
7.5°	2886.1
10°	2822.7
12.5°	2760.8
15°	2704.6
17.5°	2651.3
20°	2593.6
22.5°	2528.8
25°	2452.4
27.5°	2347.2
30°	2200.3
32.5°	1994.2
35°	1698.8
37.5°	1332.8
40°	984.1
42.5°	744.9
45°	615.3
47.5°	544.7
50°	492.8
52.5°	451.0
55°	415.0
57.5°	384.7
60°	358.8
62.5°	331.4
65°	293.9
67.5°	253.6
70°	213.3
72.5°	175.8
75°	139.8
77.5°	108.1
80°	79.2
82.5°	54.8
85°	31.7
87.5°	11.5
90°	0.0

(END OF REPORT)