

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: P247727

Luminaire Tested: **LSR8B90D010 EC8B90835 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-88)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B90D010 EC8B90835 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 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: 10435.0 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

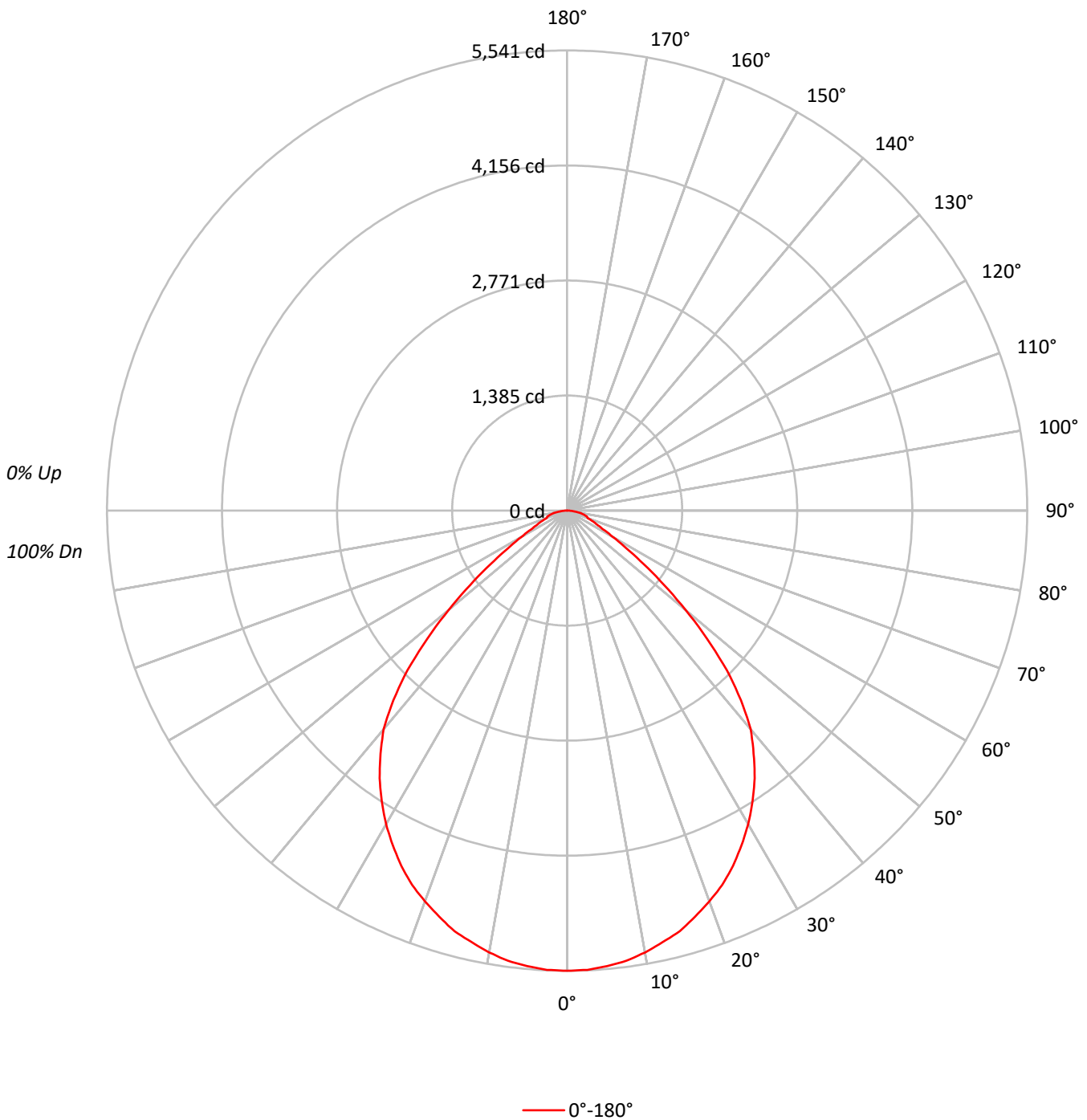
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	104	101	109	105	102	100	101	99	96	97	95	94	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	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	47	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	170867
5°	170439
10°	169166
15°	167404
20°	164316
25°	160672
30°	155274
35°	148216
40°	138409
45°	118560
50°	89148
55°	60428
60°	39316
65°	28843
70°	23559
75°	26700
80°	28004
85°	22714



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.5	5.0
10°-20°	1475.1	14.1
20°-30°	2170.2	20.8
30°-40°	2451.2	23.5
40°-50°	2064.3	19.8
50°-60°	1041.5	10.0
60°-70°	408.0	3.9
70°-80°	230.4	2.2
80°-90°	71.7	0.7
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°	4167.8	39.9
0°-40°	6619.1	63.4
0°-60°	9724.9	93.2
0°-90°	10435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10435.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5541	
5°	5506	523
15°	5244	1475
25°	4722	2170
35°	3937	2451
45°	2719	2064
55°	1124	1042
65°	395	408
75°	224	230
85°	64	72
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5541.1
2.5°	5535.5
5°	5506.2
7.5°	5467.9
10°	5402.6
12.5°	5321.5
15°	5243.8
17.5°	5125.5
20°	5007.3
22.5°	4878.9
25°	4722.3
27.5°	4545.5
30°	4360.8
32.5°	4153.6
35°	3937.3
37.5°	3689.6
40°	3438.4
42.5°	3096.0
45°	2718.7
47.5°	2286.3
50°	1858.3
52.5°	1472.0
55°	1124.0
57.5°	846.9
60°	637.5
62.5°	486.5
65°	395.3
67.5°	322.1
70°	261.3
72.5°	252.3
75°	224.1
77.5°	187.0
80°	157.7
82.5°	100.2
85°	64.2
87.5°	20.3
90°	0.0

(END OF REPORT)