

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: P247751

Luminaire Tested: **LSR8B90D010 EC8B90940 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247751
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 EC8B90940 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 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: 9294.0 lumens
Efficiency: N/A
Efficacy: 107.9 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

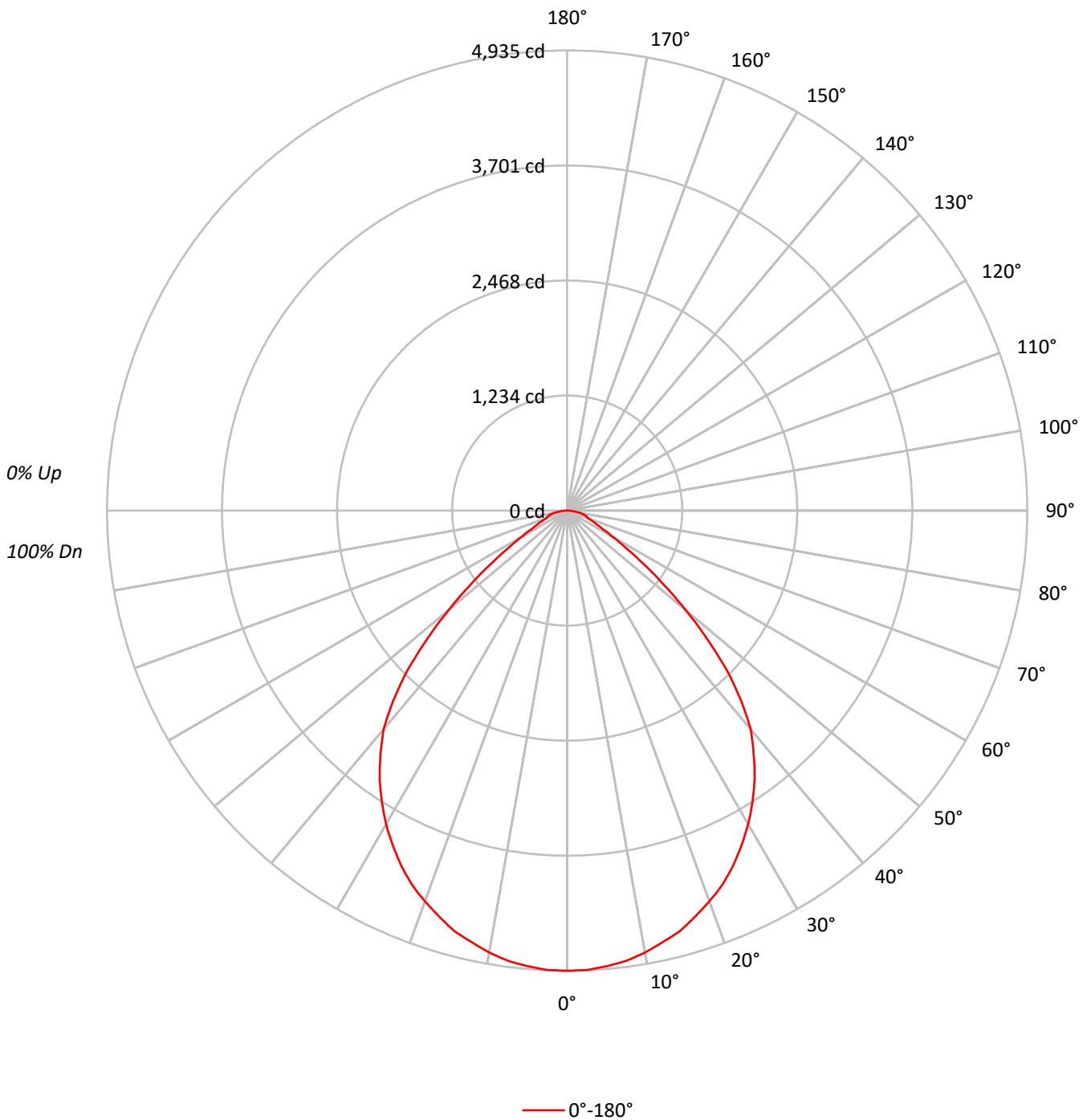
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	152183
5°	151802
10°	150667
15°	149098
20°	146346
25°	143105
30°	138296
35°	132011
40°	123274
45°	105600
50°	79400
55°	53821
60°	35018
65°	25691
70°	20980
75°	23781
80°	24932
85°	20238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.4	5.0
10°-20°	1313.8	14.1
20°-30°	1932.9	20.8
30°-40°	2183.2	23.5
40°-50°	1838.6	19.8
50°-60°	927.6	10.0
60°-70°	363.4	3.9
70°-80°	205.2	2.2
80°-90°	63.9	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°	3712.1	39.9
0°-40°	5895.3	63.4
0°-60°	8661.5	93.2
0°-90°	9294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9294.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4935	
5°	4904	465
15°	4670	1314
25°	4206	1933
35°	3507	2183
45°	2422	1839
55°	1001	928
65°	352	363
75°	200	205
85°	57	64
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4935.2
2.5°	4930.2
5°	4904.1
7.5°	4870.0
10°	4811.8
12.5°	4739.6
15°	4670.4
17.5°	4565.1
20°	4459.7
22.5°	4345.4
25°	4206.0
27.5°	4048.5
30°	3884.0
32.5°	3699.4
35°	3506.8
37.5°	3286.1
40°	3062.4
42.5°	2757.5
45°	2421.5
47.5°	2036.3
50°	1655.1
52.5°	1311.0
55°	1001.1
57.5°	754.3
60°	567.8
62.5°	433.3
65°	352.1
67.5°	286.9
70°	232.7
72.5°	224.7
75°	199.6
77.5°	166.5
80°	140.4
82.5°	89.3
85°	57.2
87.5°	18.1
90°	0.0

(END OF REPORT)