

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: P247760

Luminaire Tested: **LSR8B100D010 EC8B100927 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247760
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: LSR8B100D010 EC8B100927 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9430.9 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

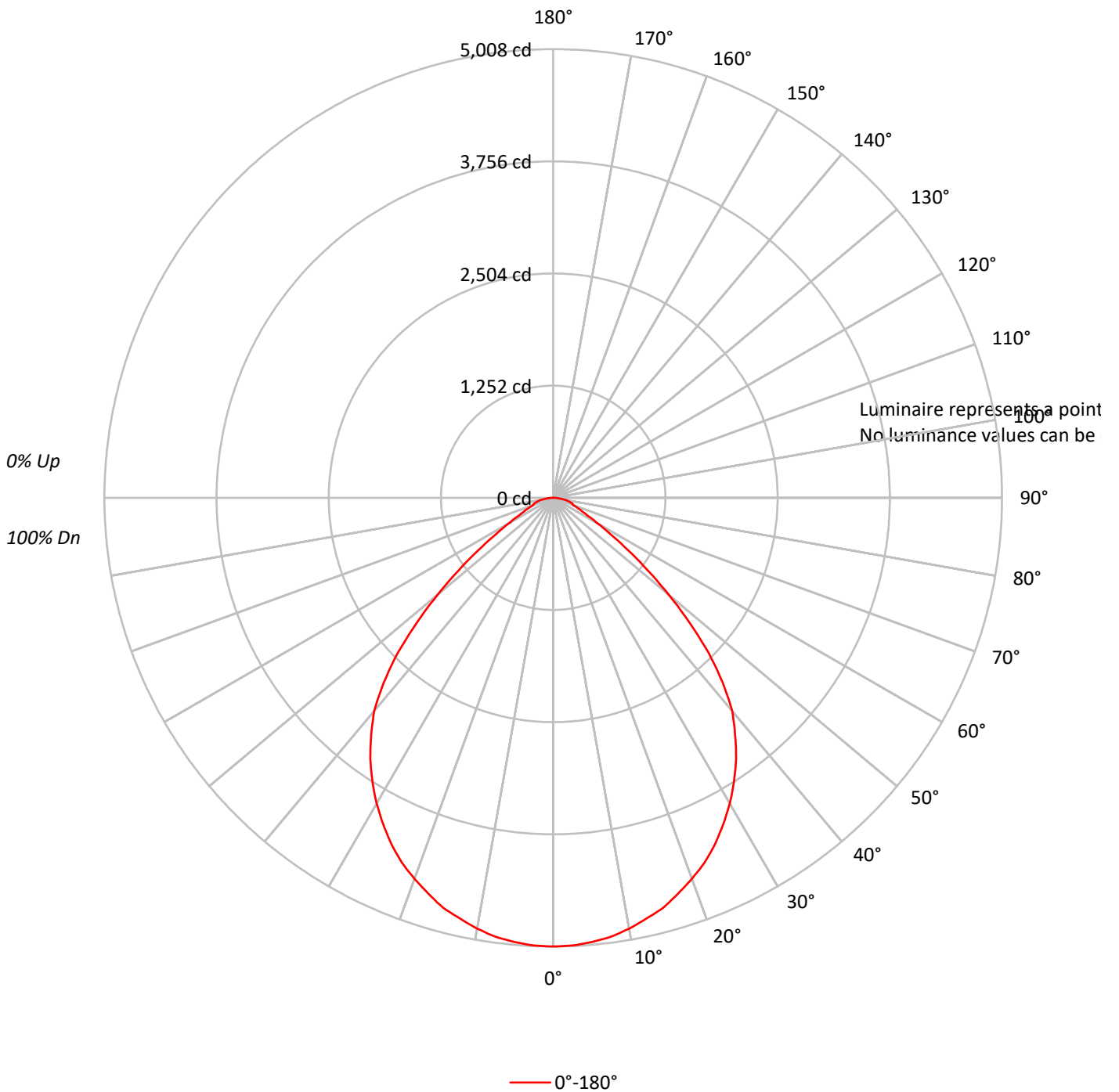
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.2	5.0
10°-20°	1333.2	14.1
20°-30°	1961.3	20.8
30°-40°	2215.4	23.5
40°-50°	1865.7	19.8
50°-60°	941.3	10.0
60°-70°	368.8	3.9
70°-80°	208.2	2.2
80°-90°	64.8	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°	3766.7	39.9
0°-40°	5982.1	63.4
0°-60°	8789.1	93.2
0°-90°	9430.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9430.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5008	
5°	4976	472
15°	4739	1333
25°	4268	1961
35°	3558	2215
45°	2457	1866
55°	1016	941
65°	357	369
75°	202	208
85°	58	65
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5007.9
2.5°	5002.8
5°	4976.3
7.5°	4941.8
10°	4882.7
12.5°	4809.4
15°	4739.2
17.5°	4632.3
20°	4525.4
22.5°	4409.4
25°	4267.9
27.5°	4108.0
30°	3941.2
32.5°	3753.9
35°	3558.5
37.5°	3334.5
40°	3107.6
42.5°	2798.1
45°	2457.1
47.5°	2066.3
50°	1679.5
52.5°	1330.3
55°	1015.9
57.5°	765.4
60°	576.1
62.5°	439.8
65°	357.3
67.5°	291.2
70°	236.1
72.5°	228.0
75°	202.5
77.5°	169.0
80°	142.5
82.5°	90.6
85°	58.0
87.5°	18.3
90°	0.0

(END OF REPORT)