

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: P247765

Luminaire Tested: **LSR8B120D010 EC8B1209730 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247765
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: LSR8B120D010 EC8B1209730 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10054.0 lumens
Efficiency: N/A
Efficacy: 85.0 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

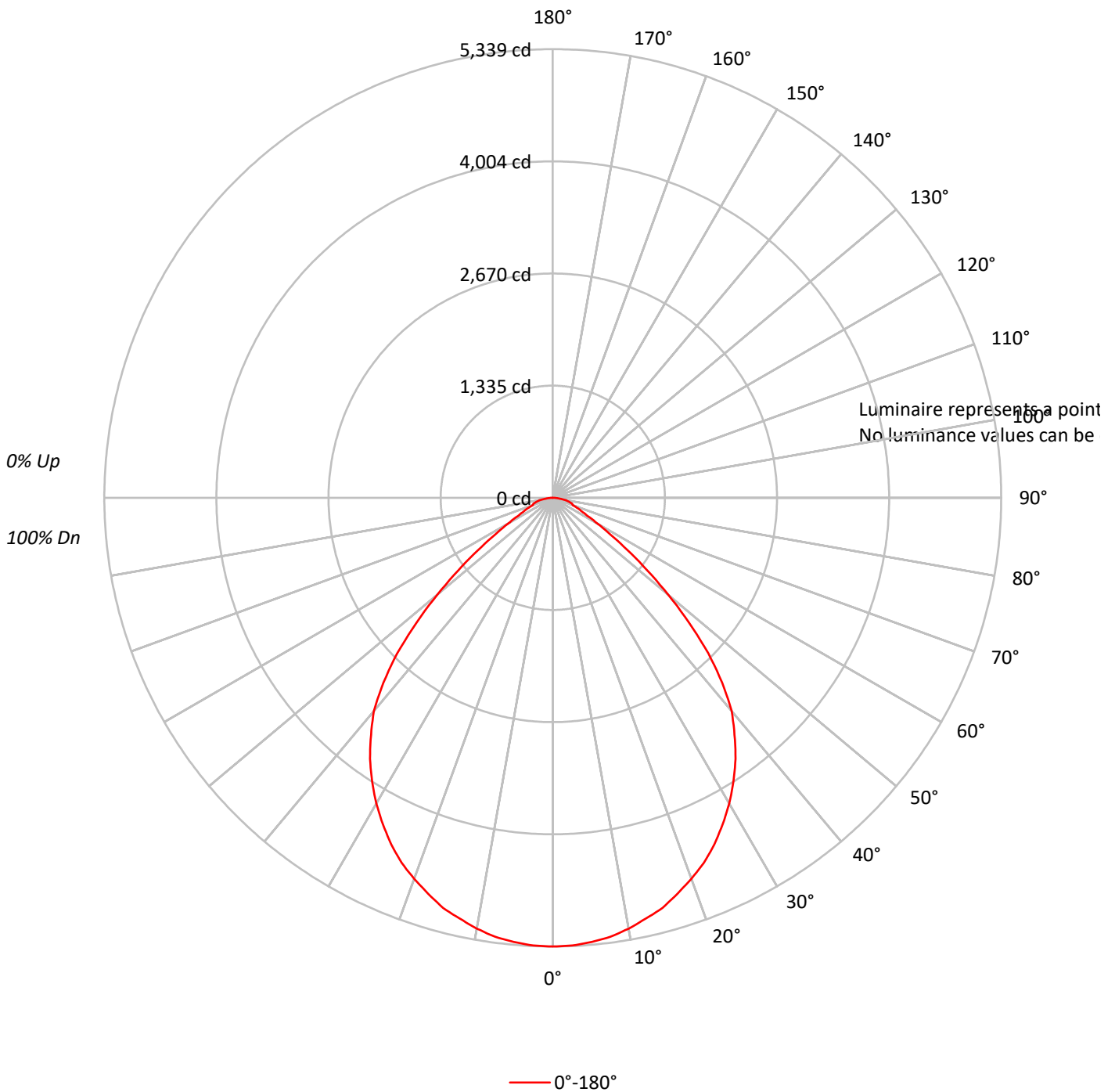
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	503.4	5.0
10°-20°	1421.3	14.1
20°-30°	2090.9	20.8
30°-40°	2361.7	23.5
40°-50°	1989.0	19.8
50°-60°	1003.5	10.0
60°-70°	393.1	3.9
70°-80°	222.0	2.2
80°-90°	69.1	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°	4015.6	39.9
0°-40°	6377.4	63.4
0°-60°	9369.8	93.2
0°-90°	10054.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10054.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5339	
5°	5305	503
15°	5052	1421
25°	4550	2091
35°	3794	2362
45°	2620	1989
55°	1083	1003
65°	381	393
75°	216	222
85°	62	69
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5338.8
2.5°	5333.4
5°	5305.1
7.5°	5268.3
10°	5205.3
12.5°	5127.2
15°	5052.3
17.5°	4938.4
20°	4824.4
22.5°	4700.7
25°	4549.9
27.5°	4379.5
30°	4201.6
32.5°	4001.9
35°	3793.6
37.5°	3554.8
40°	3312.9
42.5°	2983.0
45°	2619.5
47.5°	2202.8
50°	1790.4
52.5°	1418.3
55°	1082.9
57.5°	816.0
60°	614.2
62.5°	468.8
65°	380.9
67.5°	310.3
70°	251.7
72.5°	243.1
75°	215.9
77.5°	180.1
80°	151.9
82.5°	96.6
85°	61.9
87.5°	19.5
90°	0.0

(END OF REPORT)