

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: P247051

Luminaire Tested: **LSR8B90D010 EC8B90830 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25264)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B90D010 EC8B90830 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9656.0 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.22
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

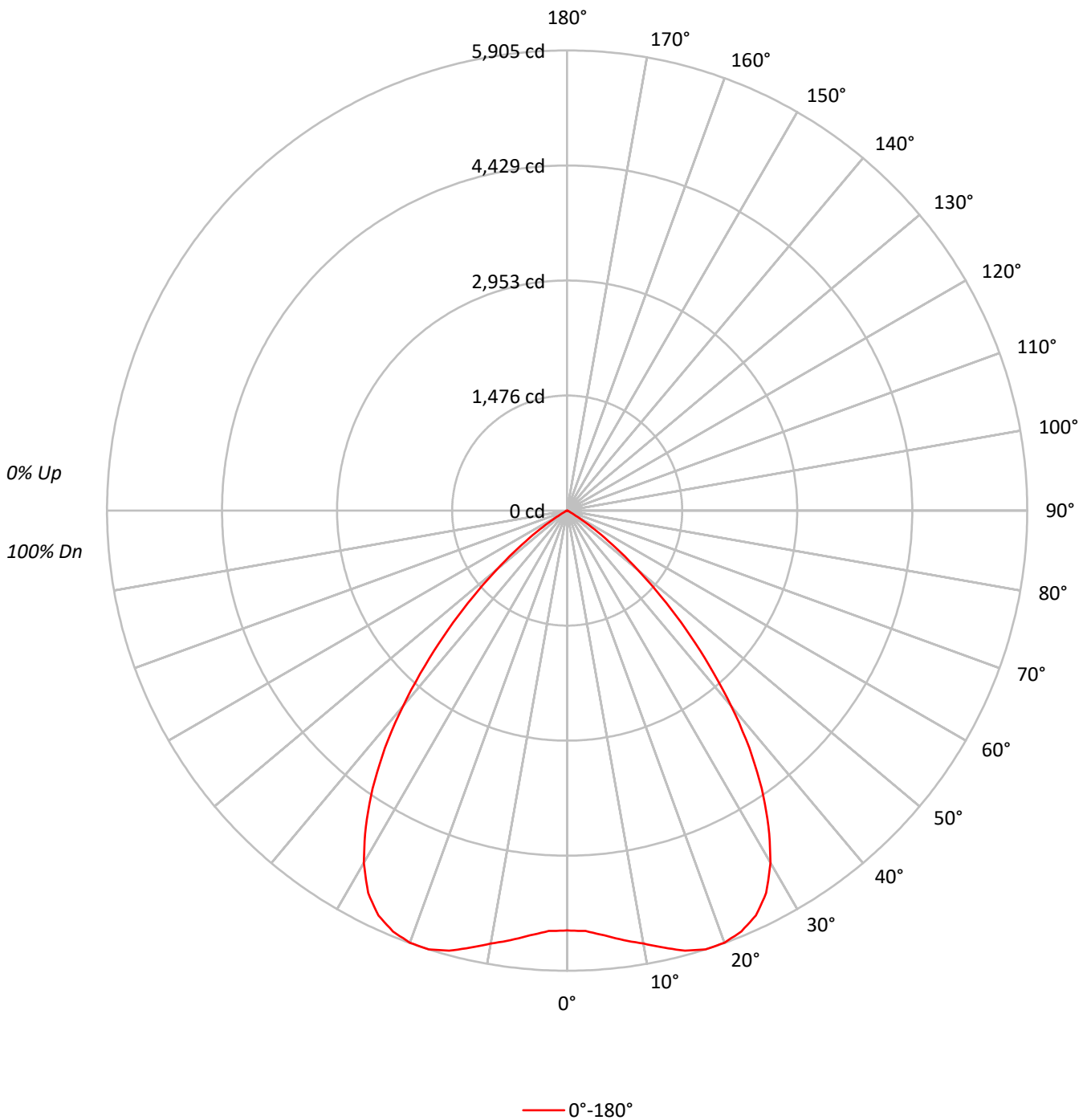
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	94	92
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	70		77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61	56	53	51
8	72	61	54	49	71	60	54	49	59	53	49		58	52	48		57	52	48	47
9	68	56	50	45	66	56	49	45	55	49	45		54	48	45		53	48	44	43
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	166152
5°	169393
10°	176659
15°	186644
20°	193640
25°	195047
30°	185824
35°	163907
40°	132130
45°	93812
50°	56378
55°	25402
60°	6550
65°	1416
70°	694
75°	465
80°	231
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.9	5.5
10°-20°	1652.9	17.1
20°-30°	2614.0	27.1
30°-40°	2686.0	27.8
40°-50°	1666.2	17.3
50°-60°	472.4	4.9
60°-70°	31.9	0.3
70°-80°	4.3	0.0
80°-90°	0.5	0.0
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°	4794.8	49.7
0°-40°	7480.8	77.5
0°-60°	9619.3	99.6
0°-90°	9656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9656.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5388	
5°	5472	528
15°	5846	1653
25°	5733	2614
35°	4354	2686
45°	2151	1666
55°	472	472
65°	19	32
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5388.2
2.5°	5398.6
5°	5472.4
7.5°	5559.2
10°	5641.9
12.5°	5744.2
15°	5846.5
17.5°	5904.7
20°	5900.9
22.5°	5843.9
25°	5732.6
27.5°	5530.7
30°	5218.8
32.5°	4808.4
35°	4354.1
37.5°	3840.3
40°	3282.4
42.5°	2702.5
45°	2151.2
47.5°	1638.7
50°	1175.2
52.5°	790.9
55°	472.5
57.5°	243.4
60°	106.2
62.5°	42.8
65°	19.4
67.5°	11.6
70°	7.7
72.5°	5.2
75°	3.9
77.5°	2.6
80°	1.3
82.5°	1.3
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)