

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: P247075

Luminaire Tested: **LSR8B90D010 EC8B90935 8LBW0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247075  
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 EC8B90935 8LBW0LI  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8563.0 lumens  
Efficiency: N/A  
Efficacy: 99.5 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

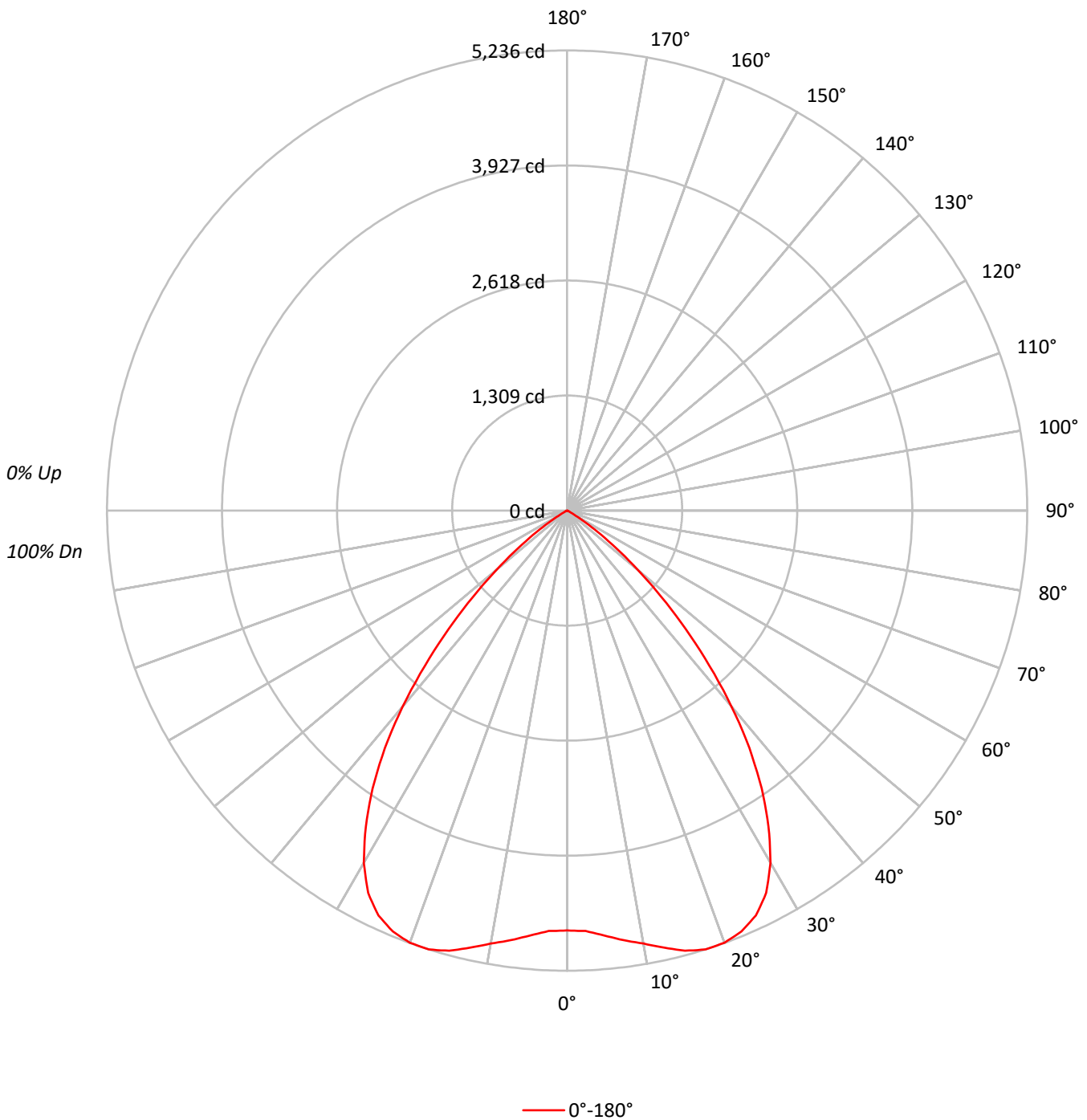
Input Watts (W): 86.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	147345
5°	150220
10°	156663
15°	165517
20°	171719
25°	172968
30°	164788
35°	145356
40°	117175
45°	83193
50°	49997
55°	22526
60°	5810
65°	1255
70°	613
75°	417
80°	213
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	468.1	5.5
10°-20°	1465.8	17.1
20°-30°	2318.1	27.1
30°-40°	2381.9	27.8
40°-50°	1477.6	17.3
50°-60°	418.9	4.9
60°-70°	28.3	0.3
70°-80°	3.8	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°	4252.1	49.7
0°-40°	6634.0	77.5
0°-60°	8530.5	99.6
0°-90°	8563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8563.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4778	
5°	4853	468
15°	5185	1466
25°	5084	2318
35°	3861	2382
45°	1908	1478
55°	419	419
65°	17	28
75°	4	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4778.3
2.5°	4787.5
5°	4853.0
7.5°	4929.9
10°	5003.3
12.5°	5094.0
15°	5184.7
17.5°	5236.3
20°	5232.9
22.5°	5182.4
25°	5083.7
27.5°	4904.6
30°	4628.0
32.5°	4264.1
35°	3861.3
37.5°	3405.6
40°	2910.9
42.5°	2396.6
45°	1907.7
47.5°	1453.2
50°	1042.2
52.5°	701.4
55°	419.0
57.5°	215.8
60°	94.2
62.5°	37.9
65°	17.2
67.5°	10.3
70°	6.8
72.5°	4.6
75°	3.5
77.5°	2.3
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)