

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: P247091

Luminaire Tested: **LSR8B90D010 EC8B90930 8LBW0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247091  
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 EC8B90930 8LBW0LI  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8292.1 lumens  
Efficiency: N/A  
Efficacy: 96.3 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.22  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

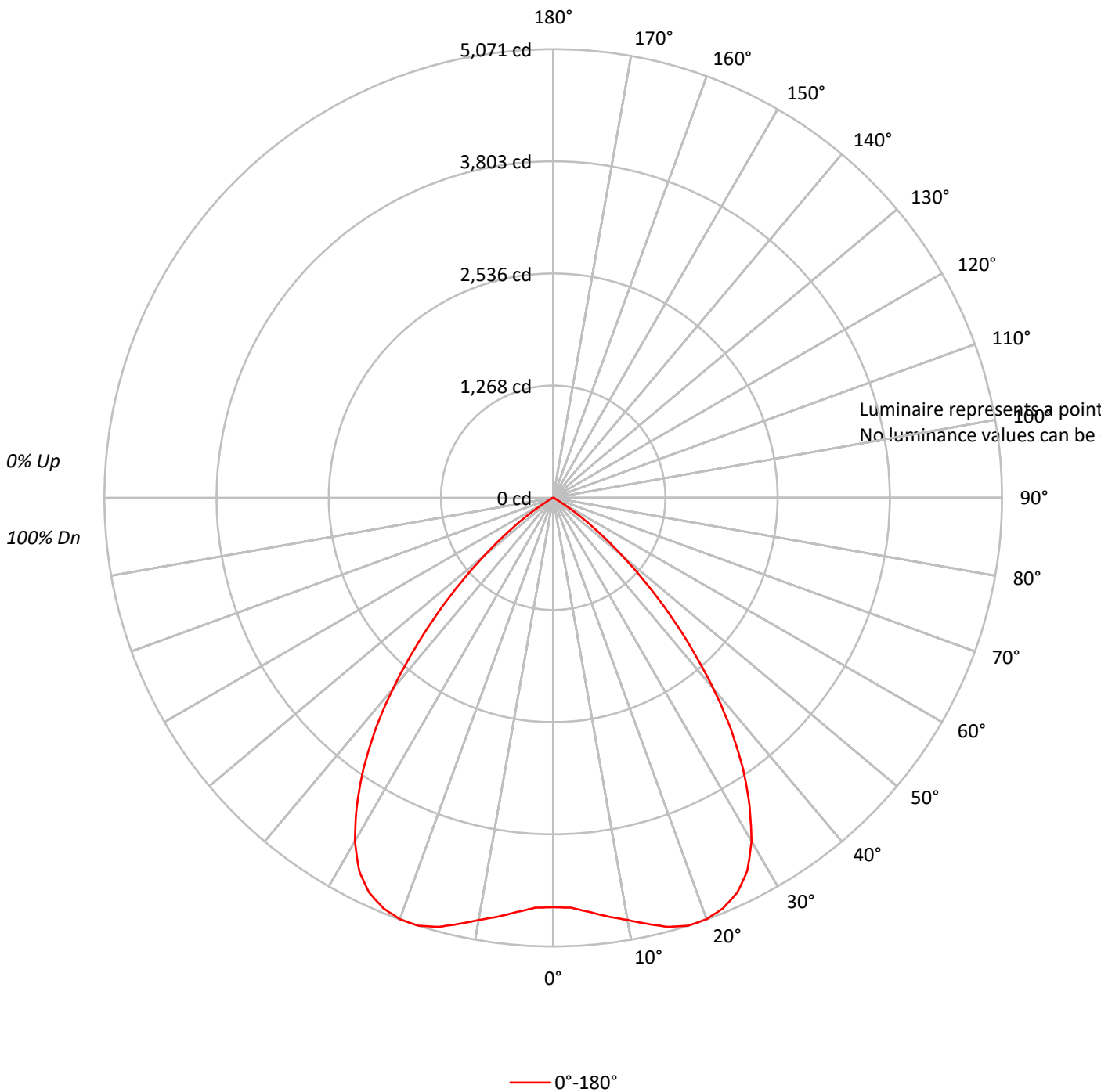
Input Watts (W): 86.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	453.3	5.5
10°-20°	1419.5	17.1
20°-30°	2244.8	27.1
30°-40°	2306.6	27.8
40°-50°	1430.8	17.3
50°-60°	405.6	4.9
60°-70°	27.4	0.3
70°-80°	3.7	0.0
80°-90°	0.4	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°	4117.5	49.7
0°-40°	6424.1	77.5
0°-60°	8260.5	99.6
0°-90°	8292.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8292.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4627	
5°	4700	453
15°	5021	1419
25°	4923	2245
35°	3739	2307
45°	1847	1431
55°	406	406
65°	17	27
75°	3	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4627.2
2.5°	4636.0
5°	4699.5
7.5°	4773.9
10°	4845.0
12.5°	4932.8
15°	5020.6
17.5°	5070.6
20°	5067.4
22.5°	5018.4
25°	4922.8
27.5°	4749.5
30°	4481.5
32.5°	4129.2
35°	3739.1
37.5°	3297.9
40°	2818.8
42.5°	2320.8
45°	1847.3
47.5°	1407.2
50°	1009.2
52.5°	679.2
55°	405.7
57.5°	209.0
60°	91.1
62.5°	36.8
65°	16.6
67.5°	10.0
70°	6.6
72.5°	4.5
75°	3.4
77.5°	2.2
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)