

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: P247078

Luminaire Tested: **LSR8B80D010 EC8B80940 8LBW0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247078  
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: LSR8B80D010 EC8B80940 8LBW0LI  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 4000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7940.0 lumens  
Efficiency: N/A  
Efficacy: 106.7 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

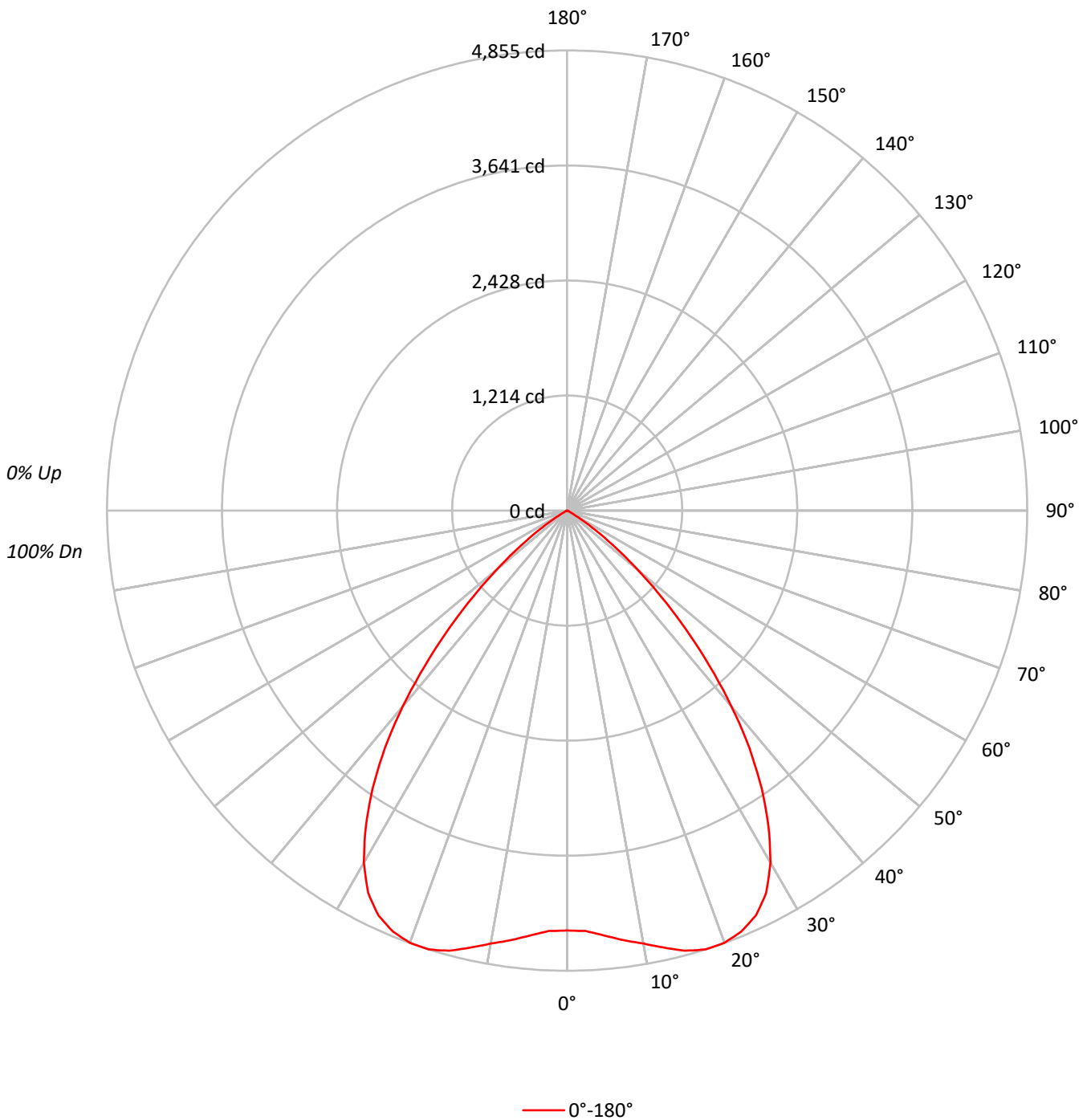
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	136626
5°	139290
10°	145266
15°	153475
20°	159226
25°	160383
30°	152799
35°	134777
40°	108649
45°	77140
50°	46361
55°	20886
60°	5384
65°	1160
70°	577
75°	381
80°	195
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	434.1	5.5
10°-20°	1359.2	17.1
20°-30°	2149.5	27.1
30°-40°	2208.6	27.8
40°-50°	1370.1	17.3
50°-60°	388.4	4.9
60°-70°	26.2	0.3
70°-80°	3.5	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°	3942.7	49.7
0°-40°	6151.3	77.5
0°-60°	7909.8	99.6
0°-90°	7940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7940.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4431	
5°	4500	434
15°	4808	1359
25°	4714	2149
35°	3580	2209
45°	1769	1370
55°	388	388
65°	16	26
75°	3	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4430.7
2.5°	4439.2
5°	4499.9
7.5°	4571.2
10°	4639.3
12.5°	4723.4
15°	4807.5
17.5°	4855.3
20°	4852.2
22.5°	4805.3
25°	4713.8
27.5°	4547.8
30°	4291.3
32.5°	3953.9
35°	3580.3
37.5°	3157.8
40°	2699.1
42.5°	2222.2
45°	1768.9
47.5°	1347.5
50°	966.4
52.5°	650.3
55°	388.5
57.5°	200.1
60°	87.3
62.5°	35.2
65°	15.9
67.5°	9.6
70°	6.4
72.5°	4.3
75°	3.2
77.5°	2.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)