

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: P249945

Luminaire Tested: **LSR8B80D010 EC8B809730 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249945  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B80D010 EC8B809730 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5995.0 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

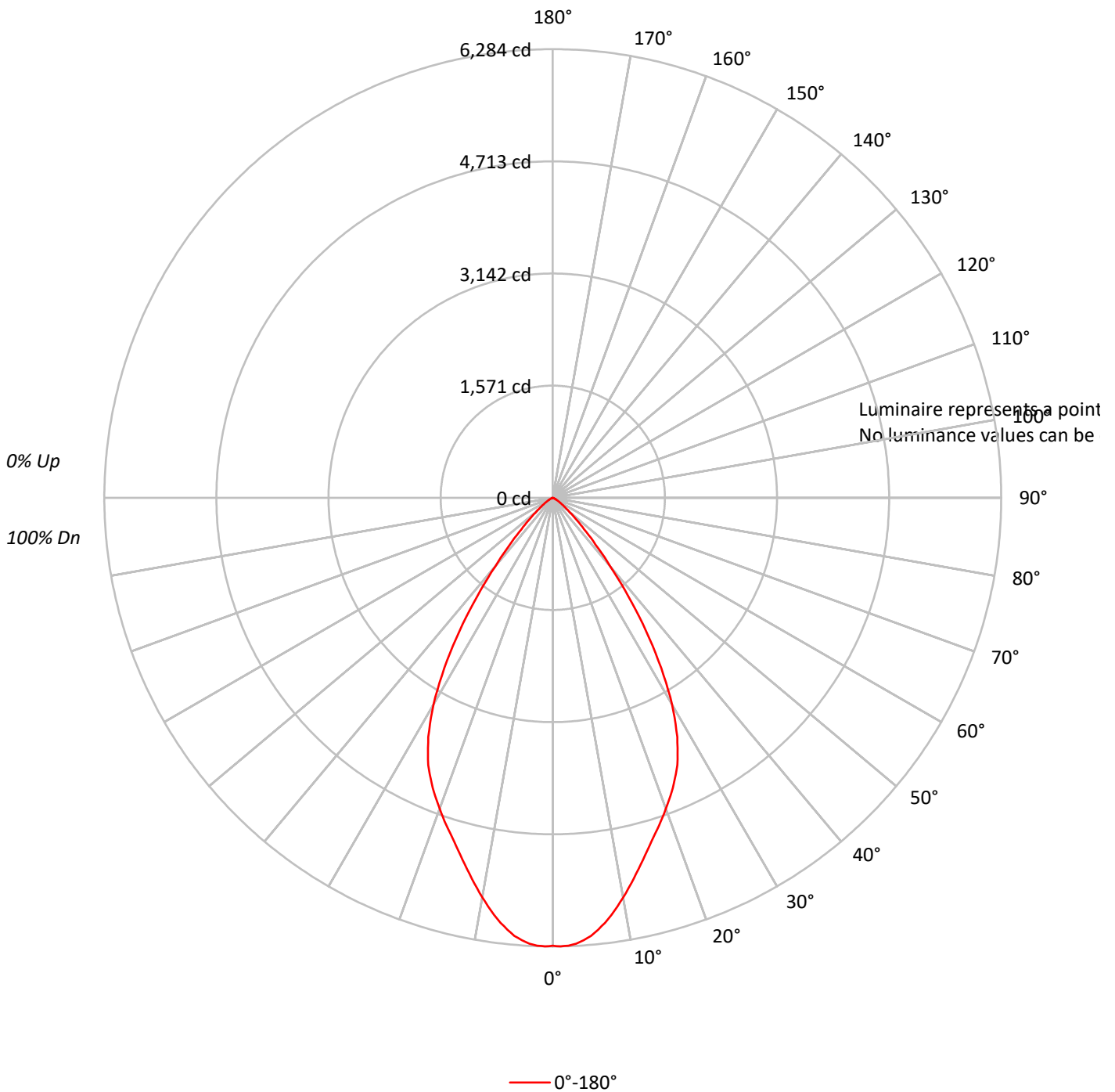
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	108	105	111	108	106	104	104	102	101		100	99	98		97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91		94	92	89		91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83		88	85	82		86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76		83	79	76		81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70		78	73	70		76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60		68	64	60		67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56		64	60	56		63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53		61	56	52		60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49		57	53	49		57	52	49	48

**AVERAGE LUMINANCE (cd/sqm):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	572.1	9.5
10°-20°	1439.3	24.0
20°-30°	1868.5	31.2
30°-40°	1410.3	23.5
40°-50°	516.0	8.6
50°-60°	144.3	2.4
60°-70°	37.9	0.6
70°-80°	6.4	0.1
80°-90°	0.3	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°	3879.8	64.7
0°-40°	5290.2	88.2
0°-60°	5950.4	99.3
0°-90°	5995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5995.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6275	
5°	6159	572
15°	5116	1439
25°	4130	1869
35°	2277	1410
45°	619	516
55°	148	144
65°	36	38
75°	6	6
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6274.8
1°	6284.2
2°	6276.7
3°	6252.4
4°	6211.3
5°	6158.9
6°	6082.3
7°	5998.1
8°	5900.9
9°	5794.3
10°	5682.1
11°	5570.0
12°	5454.0
13°	5336.2
14°	5224.0
15°	5115.6
16°	5012.8
17°	4913.7
18°	4823.9
19°	4730.4
20°	4635.1
22.5°	4397.6
25°	4130.3
27.5°	3776.9
30°	3346.8
32.5°	2828.9
35°	2277.3
37.5°	1738.9
40°	1254.6
42.5°	888.1
45°	618.9
47.5°	435.6
50°	293.5
52.5°	215.0
55°	147.7
57.5°	106.6
60°	71.1
62.5°	52.4
65°	35.5
67.5°	24.3
70°	13.1
72.5°	9.3
75°	5.6
77.5°	1.9
80°	1.9



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)