

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: P244468

Luminaire Tested: **LSR8B40D010 EC8B40840 8LBS0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244468  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B40D010 EC8B40840 8LBS0H  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4792.0 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

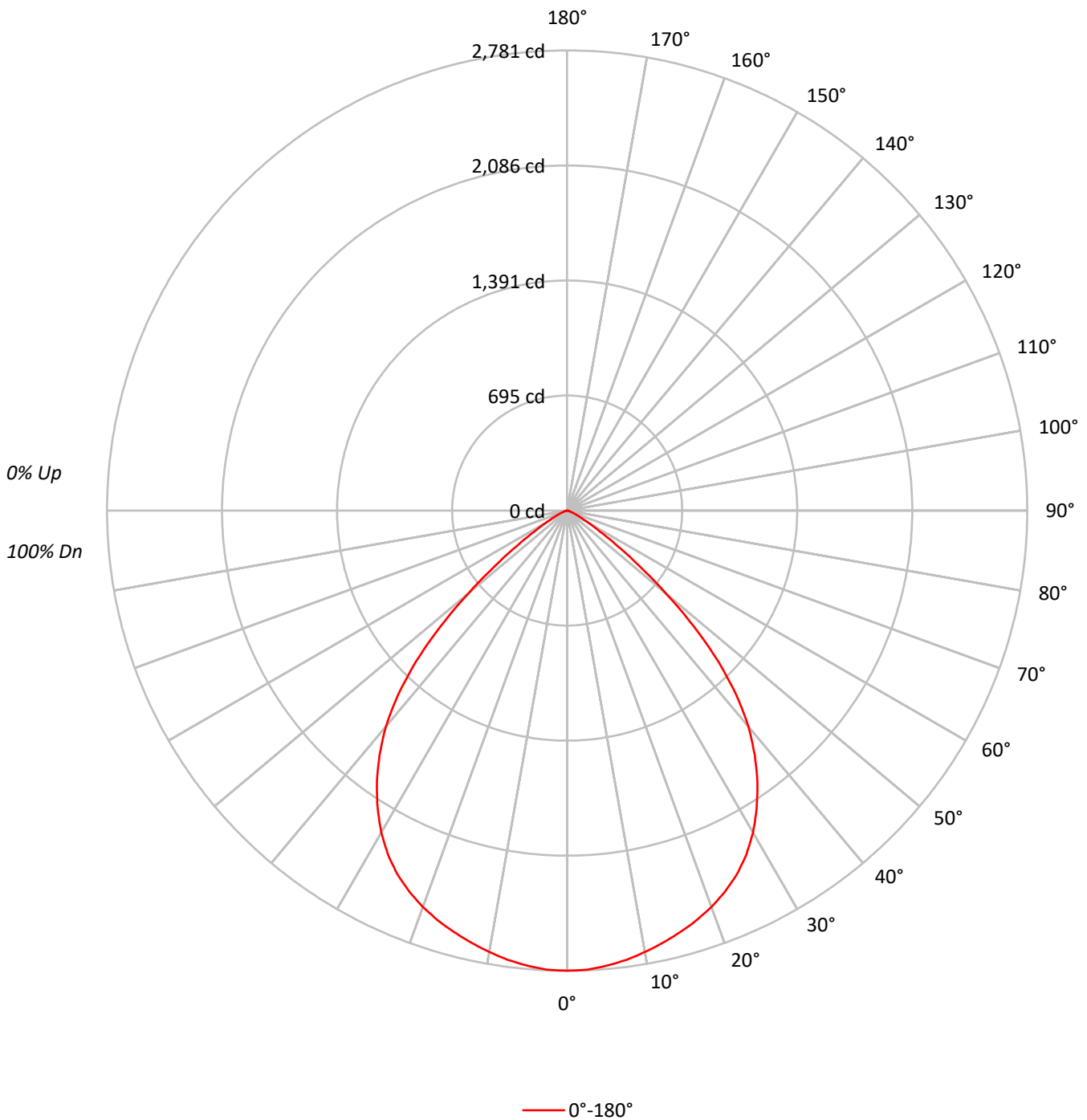
Input Watts (W): 40.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

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

	0°
0°	85753
5°	85467
10°	84821
15°	84222
20°	83653
25°	82549
30°	80001
35°	75484
40°	68601
45°	56448
50°	37625
55°	19601
60°	9239
65°	4845
70°	2416
75°	1680
80°	1261
85°	991



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	261.9	5.5
10°-20°	744.6	15.5
20°-30°	1113.9	23.2
30°-40°	1245.9	26.0
40°-50°	977.4	20.4
50°-60°	356.7	7.4
60°-70°	72.7	1.5
70°-80°	15.6	0.3
80°-90°	3.3	0.1
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°	2120.4	44.2
0°-40°	3366.3	70.2
0°-60°	4700.4	98.1
0°-90°	4792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4792.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2781	
5°	2761	262
15°	2638	745
25°	2426	1114
35°	2005	1246
45°	1294	977
55°	365	357
65°	66	73
75°	14	16
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2780.9
2.5°	2776.7
5°	2761.1
7.5°	2738.5
10°	2708.9
12.5°	2674.9
15°	2638.2
17.5°	2597.2
20°	2549.2
22.5°	2492.7
25°	2426.2
27.5°	2344.3
30°	2246.8
32.5°	2132.3
35°	2005.2
37.5°	1862.4
40°	1704.2
42.5°	1516.2
45°	1294.4
47.5°	1044.3
50°	784.3
52.5°	549.7
55°	364.6
57.5°	233.2
60°	149.8
62.5°	98.9
65°	66.4
67.5°	42.4
70°	26.8
72.5°	18.4
75°	14.1
77.5°	9.9
80°	7.1
82.5°	4.2
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)