

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: P244462

Luminaire Tested: **LSR8B40D010 EC8B40835 8LBS0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244462  
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 EC8B40835 8LBS0H  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4824.0 lumens  
Efficiency: N/A  
Efficacy: 117.9 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

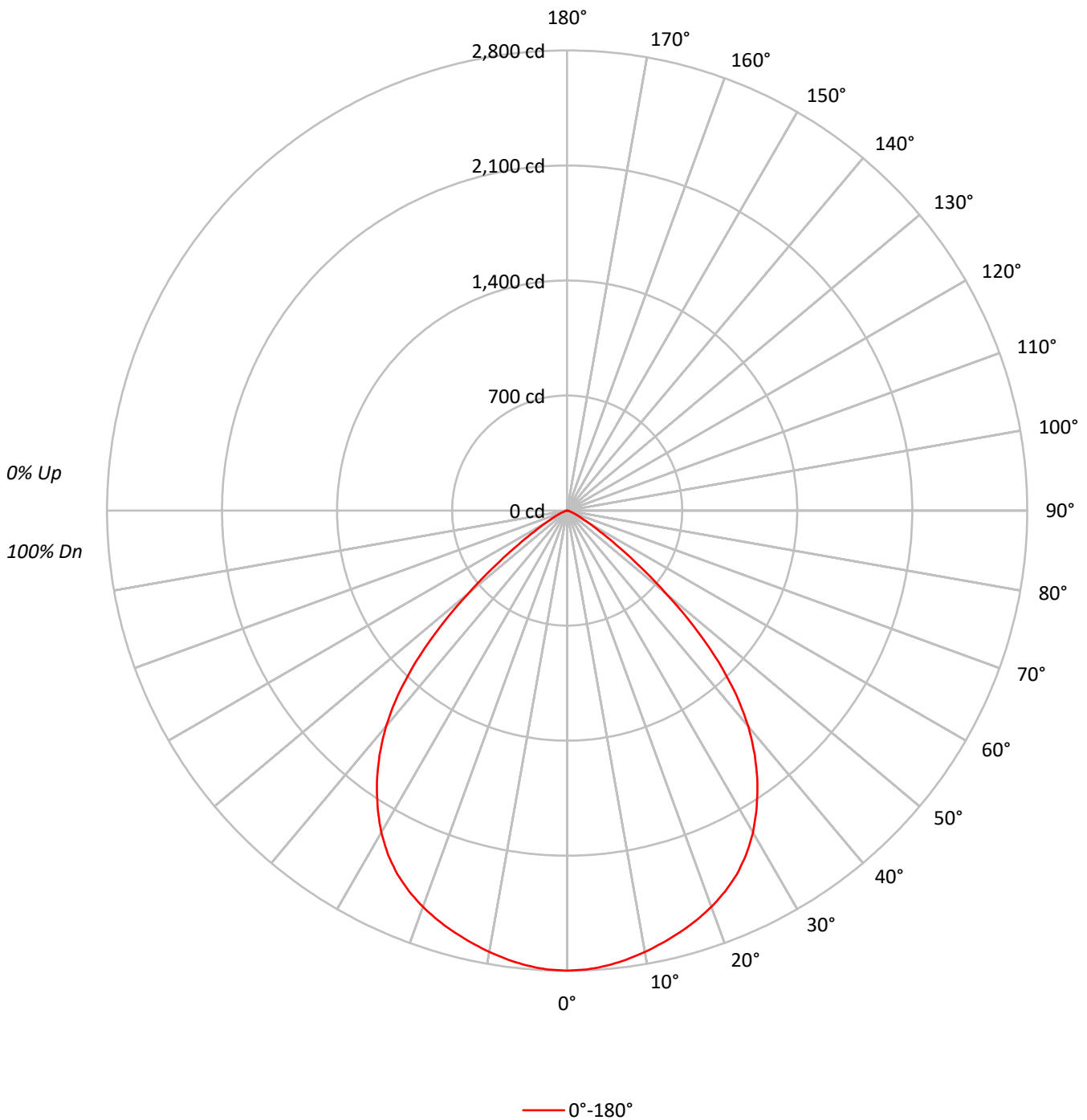
Input Watts (W): 40.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	86326
5°	86040
10°	85385
15°	84784
20°	84211
25°	83100
30°	80535
35°	75985
40°	69056
45°	56823
50°	37875
55°	19730
60°	9300
65°	4881
70°	2434
75°	1692
80°	1261
85°	991



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.7	5.5
10°-20°	749.6	15.5
20°-30°	1121.3	23.2
30°-40°	1254.2	26.0
40°-50°	983.9	20.4
50°-60°	359.0	7.4
60°-70°	73.2	1.5
70°-80°	15.7	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°	2134.6	44.2
0°-40°	3388.8	70.2
0°-60°	4731.8	98.1
0°-90°	4824.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4824.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2800	
5°	2780	264
15°	2656	750
25°	2442	1121
35°	2018	1254
45°	1303	984
55°	367	359
65°	67	73
75°	14	16
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2799.5
2.5°	2795.2
5°	2779.6
7.5°	2756.8
10°	2726.9
12.5°	2692.8
15°	2655.8
17.5°	2614.6
20°	2566.2
22.5°	2509.3
25°	2442.4
27.5°	2359.9
30°	2261.8
32.5°	2146.6
35°	2018.5
37.5°	1874.9
40°	1715.5
42.5°	1526.4
45°	1303.0
47.5°	1051.2
50°	789.5
52.5°	553.4
55°	367.0
57.5°	234.7
60°	150.8
62.5°	99.6
65°	66.9
67.5°	42.7
70°	27.0
72.5°	18.5
75°	14.2
77.5°	10.0
80°	7.1
82.5°	4.3
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)