

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: P244252

Luminaire Tested: **LSR8B40D010 EC8B40840 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B40D010 EC8B40840 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 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: 4382.0 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

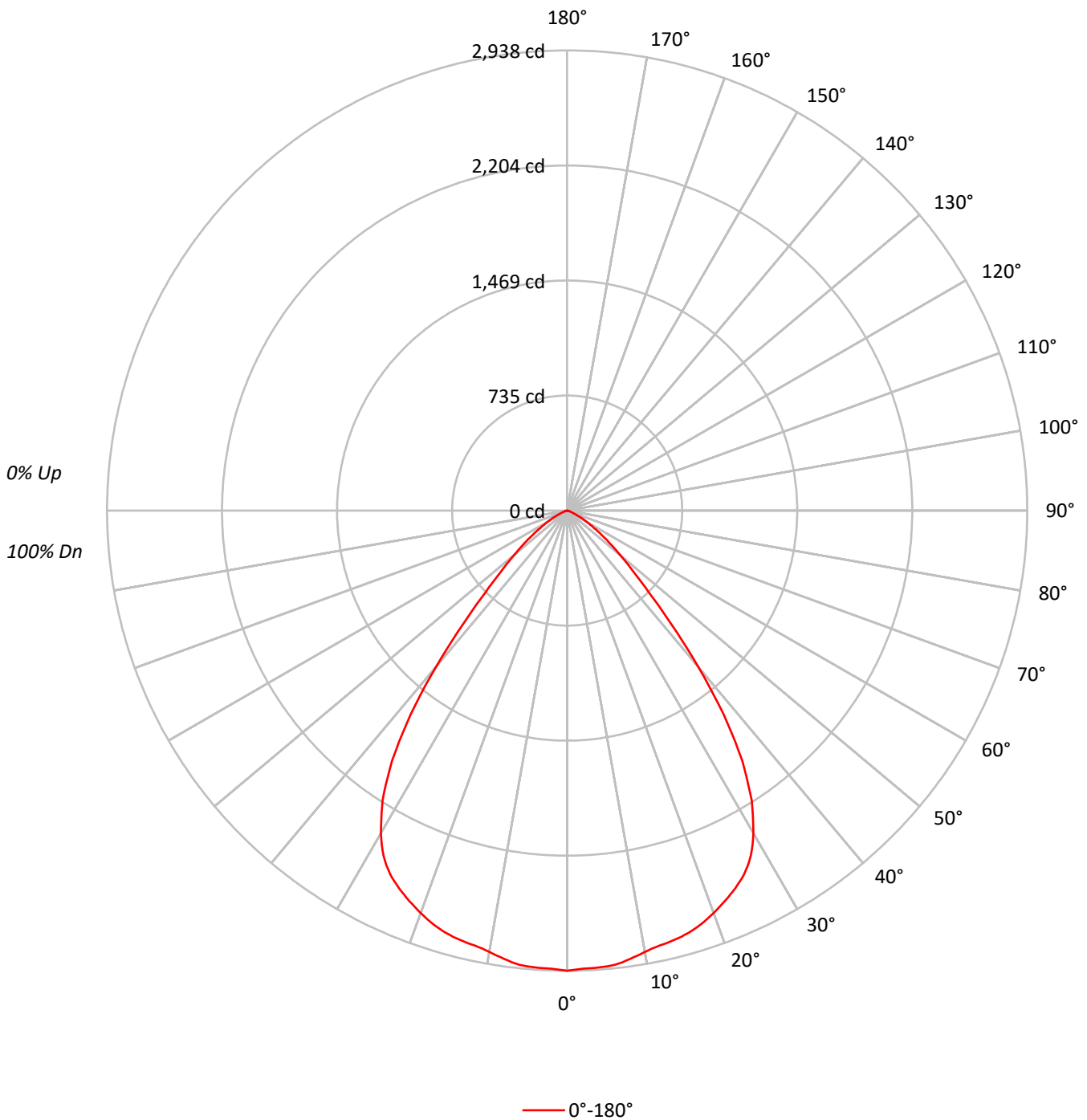
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	71		77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	90606
5°	90405
10°	89584
15°	89921
20°	89730
25°	88854
30°	84691
35°	73327
40°	52306
45°	32144
50°	21204
55°	14026
60°	8980
65°	4896
70°	2398
75°	1203
80°	675
85°	460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.9	6.3
10°-20°	794.5	18.1
20°-30°	1195.6	27.3
30°-40°	1183.7	27.0
40°-50°	601.4	13.7
50°-60°	242.3	5.5
60°-70°	73.4	1.7
70°-80°	12.6	0.3
80°-90°	1.5	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°	2266.9	51.7
0°-40°	3450.6	78.7
0°-60°	4294.4	98.0
0°-90°	4382.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4382.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2938	
5°	2921	277
15°	2817	794
25°	2612	1196
35°	1948	1184
45°	737	601
55°	261	242
65°	67	73
75°	10	13
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2938.3
1°	2932.0
2°	2926.9
3°	2925.6
4°	2924.4
5°	2920.6
6°	2915.5
7°	2905.4
8°	2890.2
9°	2876.2
10°	2861.0
11°	2848.4
12°	2839.5
13°	2833.2
14°	2825.6
15°	2816.7
16°	2805.3
17°	2791.4
18°	2774.9
19°	2755.9
20°	2734.4
21°	2711.6
22°	2688.8
23°	2664.7
24°	2639.4
25°	2611.5
26°	2581.1
27°	2541.9
28°	2496.3
29°	2441.8
30°	2378.5
32.5°	2193.6
35°	1947.9
37.5°	1641.4
40°	1299.4
42.5°	981.5
45°	737.1
47.5°	563.6
50°	442.0
52.5°	343.2
55°	260.9
57.5°	193.8
60°	145.6
62.5°	103.9
65°	67.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	41.8
70°	26.6
72.5°	16.5
75°	10.1
77.5°	6.3
80°	3.8
82.5°	2.5
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)